

CATALOG No. 300

# ARCHITECTURAL STEEL



# J.G. Braun Company

7540 Mc CORMICK BLVD., SKOKIE, ILLINOIS

537 WEST 35<sup>th</sup> STREET, NEW YORK 1, N.Y.

## BRAUN ARCHITECTURAL METALS

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6-6-62

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RAILING COMPONENTS  
STEEL MOULDINGS  
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TUBING**

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## CATALOG No. 300

*Since 1887*

Braun products have been specified by Architects, Designers and metal craftsmen as the "Standard of Quality"

The contents of this catalog have been carefully selected to suit the growing needs of the Architectural Fabricators for new designs, new products, new applications of architectural metals. No expense has been spared to offer the most up to date line of architectural metal products for the Architect, designer and fabricator alike.

Materials shown herein are generally stock items ready for immediate shipment.

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**J.G. Braun Company**



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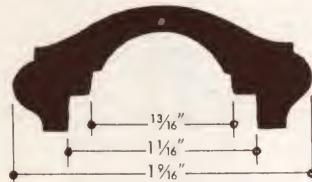
J.G. Braun Company

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# ARCHITECTURAL STEEL HANDRAILS AND TERMINALS

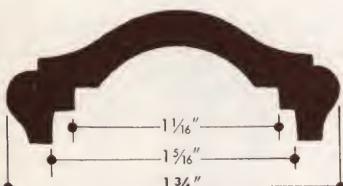
For Aluminum Handrails  
Refer to Catalog No. 100 AIA File 15-J



**1247**

1.38 lbs.

TERMINALS A, AA, B,  
BB, C, D, E, F, G, H,  
K, KK, L, M,



**1250**

1.65 lbs.

TERMINALS E,

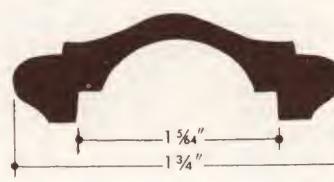
## STEEL HANDRAILS

20 Foot Lengths  
unless otherwise specified

Weights and Measurements Approximate  
Illustrations Full Size

Steel Channels In Stock to Fit All Handrails

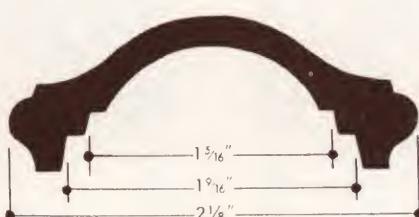
For Bronze Handrails  
Refer to Catalog No. 200 AIA File 15-A



**1248**

1.27 lbs.

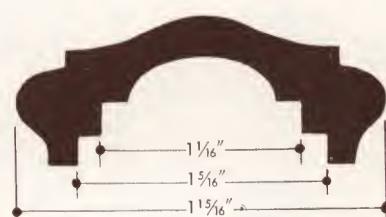
TERMINALS A, AA, B,  
BB, C, D, E, F, G, H,  
K, KK, L, M,



**1245**

1.80 lbs.

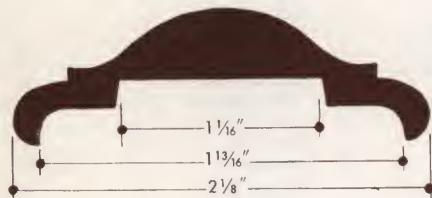
TERMINALS A, B, E, F, H,  
K, KK,



**1252**

1.85 lbs.

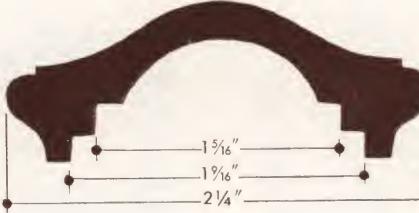
TERMINALS A, AA, B,  
BB, E, F, G, H, K, KK, M,



**1144**

1.71 lbs.

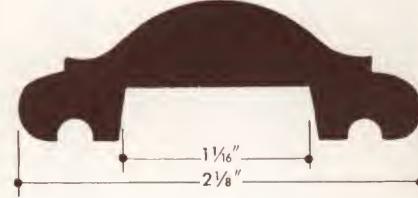
TERMINALS A, H



**1244**

2.30 lbs.

TERMINALS E, F, H, K, KK,



**68**

2.46 lbs.

TERMINALS A, H,

## MALLEABLE IRON HANDRAIL TERMINALS

Lateral and Channel Scrolls are furnished in either RIGHT or LEFT hand. Illustrations shown are RIGHT hand. Specify LEFT or RIGHT hand when ordering Lateral or Channel Scrolls.

All J. G. Braun Co. terminals are inspected for fit and finish.  
No filing or fitting is necessary, they are supplied ready for use.

A	B	AA	BB	C	D	E
LATERAL SCROLLS (Senior)	CHANNEL SCROLLS (Senior)	LATERAL SCROLLS (Intermediate)	CHANNEL SCROLLS (Intermediate)	LATERAL SCROLLS (Junior)	BAR SCROLLS (Junior)	SQUARE TERMINALS
For Handrails	Will Fit Handrails	For Handrails	Will Fit Handrails	For Handrails	Will Fit Handrails	For Handrails
68 1248 1144 1252 1245 1256 1247 1270	1245 1252 1247 1256 1248 1270	1247 1248 1252 1270	1247 1252 1248 1270	1247 1248 1270	1247 1248 1270	1244 1245 1247 1248 1250 1252 1256 1270
For Senior Lateral Scrolls		For Intermediate Lateral Scrolls		For Intermediate Lateral Scrolls	To Fit Junior Lateral Scrolls	

**J. G. Braun Company**

# ARCHITECTURAL STEEL HANDRAILS AND TERMINALS

## STEEL HANDRAILS

20 Foot Lengths unless otherwise specified

Weights and Measurements Approximate

Illustrations Full Size

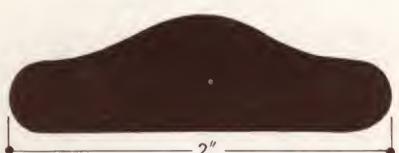
Steel Channels In Stock to Fit All Handrails



**1249**

3.04 lbs.

TERMINALS  
M,



**1251**

3.15 lbs.

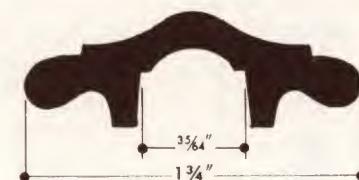
TERMINALS  
None Available



**1256**

2.58 lbs.

TERMINALS A, B, E, F, G, H, K, KK, M,



**1270**

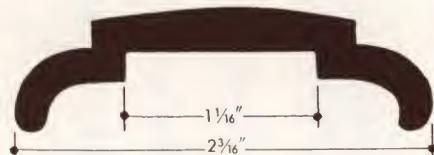
1.445 lbs.

TERMINALS A, AA, B, BB, C,  
D, E, F, G, H, K, KK, L, M,



**1255** 1.10 lbs.

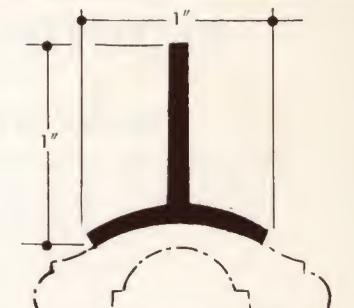
TERMINALS M,



**1162**

1.40 lbs.

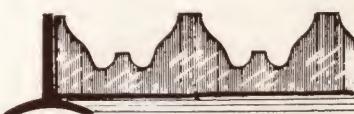
TERMINALS M,



**1260**

### STEEL LOAFERS RAIL

20 Ft. Lengths

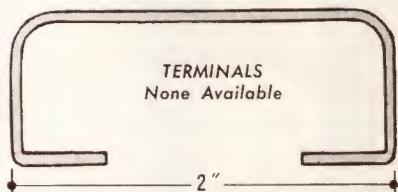


**1260** Steel Loafers Rail

May be applied to Pipe or Flat Bar  
as well as handrail. Can Be Bent.

### STAINLESS STEEL HANDRAIL

Easy Installation— Attractive finish.  
Low Maintenance Cost



**2701** STAINLESS STEEL

18-8 Alloy — No. 2 Finish  
18 B.W.G. 12 Ft. Lengths

### ATTENTION ARCHITECTS, DESIGNERS, RAILING SHOPS AND FABRICATORS

FULL SIZE DETAIL SHEET S - 2 - T FOR ALL J. G. BRAUN STEEL HANDRAIL TERMINALS  
FOR TRACING AND LAYOUT WORK. -YOUR FREE COPIES WILL BE SENT UPON REQUEST

F	G	H	K	KK	L	M
VERTICAL ENDS	TERMINAL ENDS	LAMBS TONGUES	CORNER BENDS	CHANNEL CORNER BENDS	END FINIAL BASE	CENTER FINIAL BASE
For Handrails	For Handrails	For Handrails	For Handrails	Will Fit Handrails	For Handrails	For Handrails
1244	1247	68 1247	1244 1248	1244 1248	1247 1248	1162
1245	1248	1144 1248	1245 1252	1245 1252	1247	1247
1247	1252	1244 1252	1247 1256	1247 1256	1248	1248
1248	1256	1245 1256	1270	1270	1249	1249
1252	1270				1252	1252
1256					1255	1255
1270					1256	1256
		1270			1270	1270

**J.G.Braun & Company**

## BALUSTER SPINDLES • RAILING STARTING POSTS

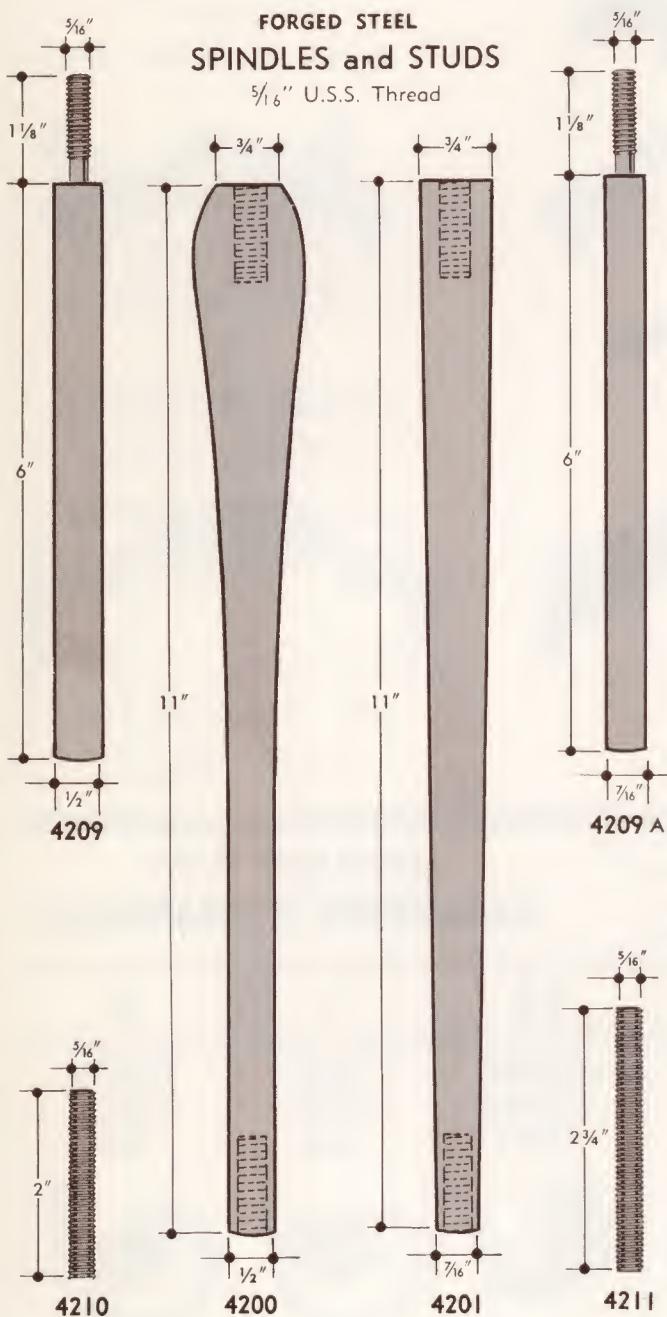
### FORGED STEEL BALUSTER SPINDLES

WITH BRONZE, ALUMINUM OR STEEL CENTERS, BUTTONS and COLLARS

Aluminum Parts 2011-T3 Alloy and Temper  
Architectural Bronze Parts, 85 - 3/5 Alloy

Bronze and Aluminum Parts all highly polished.

ALL PARTS READY FOR ASSEMBLY



**Length of Complete Spindles** ranges from  $3\frac{1}{2}$ " to  $36\frac{1}{4}$ ". Note that end Studs 4209 and 4209-A have an exposed length of 6" and thereby spindles may be easily cut to required length of individual job. For length of complete spindles see opposite page.

See Page 7 for Assembled Spindles  
And Illustrations Of Spindle Collars

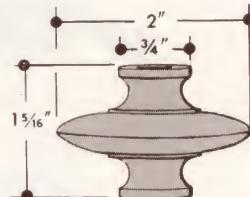
Measurements Approximate

### CENTERS

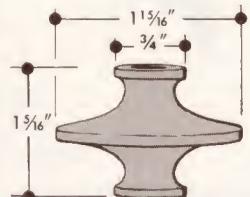
Drilled  $\frac{5}{16}$ "  
to fit studs.



4204 Steel  
4212 Aluminum  
4222 Bronze



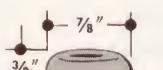
4202 Steel  
4214 Aluminum  
4220 Bronze



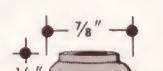
4203 Steel  
4215 Aluminum  
4221 Bronze

### BUTTONS

Drilled  $\frac{5}{16}$ "  
to slip fit studs



4205 Steel  
4217 Aluminum  
4223 Bronze



4206 Steel  
4216 Aluminum  
4224 Bronze

### CAST IRON

### RAILING STARTING POSTS

with loose base collars  
Overall Length 36"

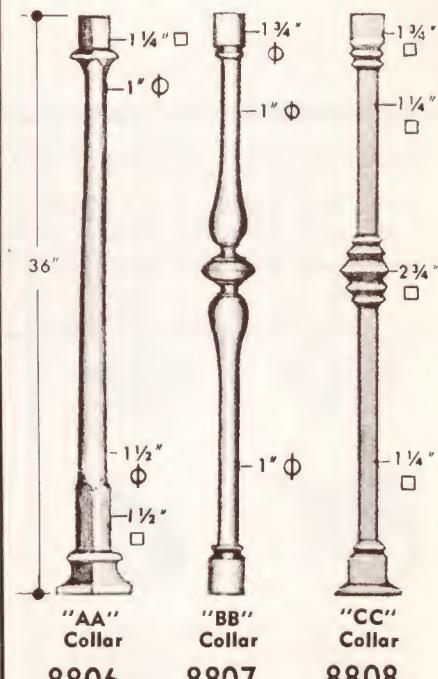
Smooth finish or handforged effect  
Specify Finish Desired When Ordering

They are cast from precision made patterns and are furnished "ready to use".

Upper collar-type ends of posts are of sufficient length to allow cutting to fit bevel-type terminal.

The lower ends are provided with "slip-on" base collars so that posts can be cut to height in accordance with railing designers' specification.

This type of base collar permits up to 4" of post to be cemented into stone or concrete.



See Page 9 For Illustrations and Dimensions of Above Collars.

SPECIFY METAL WHEN ORDERING  
Available In Aluminum and Architectural  
Bronze as well as Cast Iron.

# ARCHITECTURAL STEEL BALUSTER SPINDLES

## FORGED STEEL BALUSTER SPINDLES

WITH BRONZE, ALUMINUM OR STEEL CENTERS, BUTTONS and COLLARS

**Aluminum Parts 2011-T3 Alloy and Temper**

**Sectionally Made** offering multiple design possibilities for requirements ranging from period to modern architecture. **Spindles and Parts** exacting in design. Clean forgings . . . no burrs, no rough edges.

**Bronze and Aluminum Parts** all highly polished.

**All Parts Drilled, Threaded or Tapped.** Require no expensive shop time for fitting or machining.

**Screw and Slip Fit Assembly** quick, efficient and attractive.

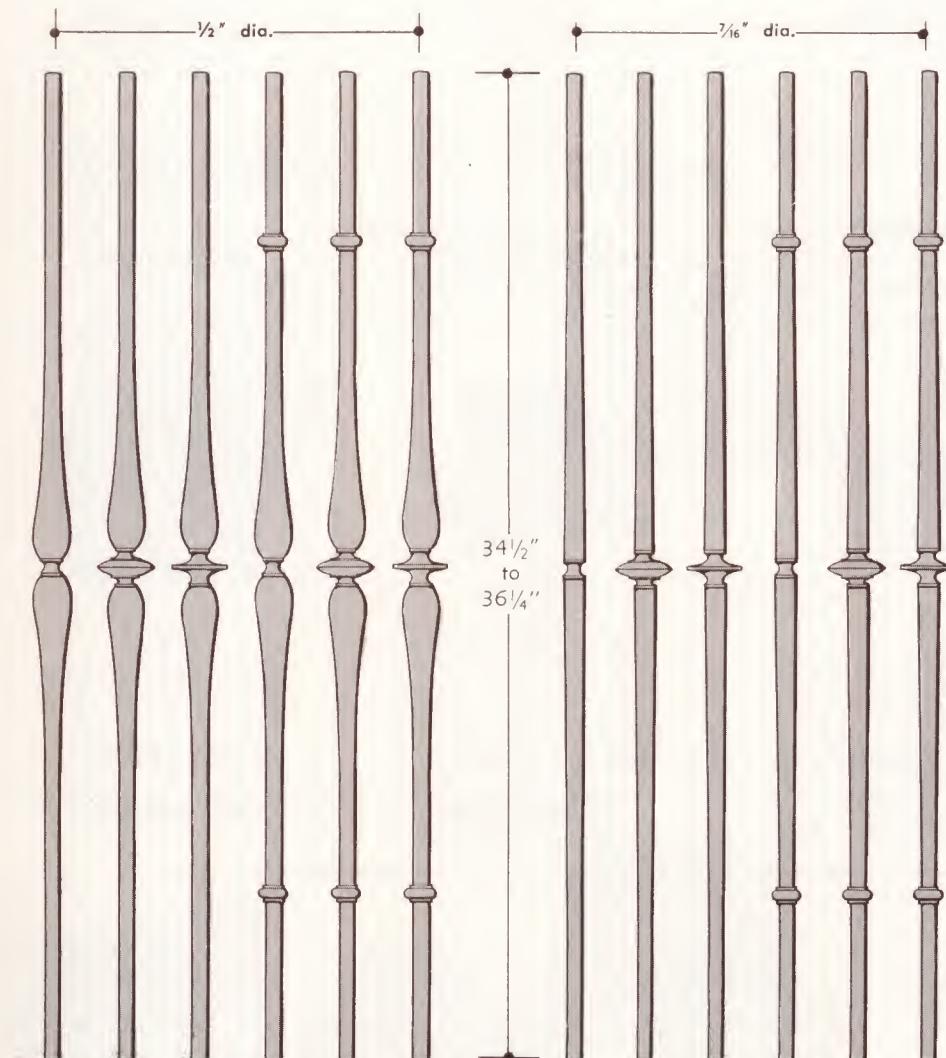
• **Architectural Bronze Parts, 85 - 3/5 Alloy**

**Parts May Be Ordered Separately.** Merely order by the stock number of the item as shown on opposite page.

**To Order Complete Spindle** merely order by stock number under spindle of your selection as shown on this page. A complete set of parts will be furnished.

**Note:** Overall length of complete spindles ranges from  $34\frac{1}{2}$ " to  $36\frac{1}{4}$ ". Fitting to individual job requirement is done by cutting end studs. Exposed area of end studs 6" offers spindle length reduction to such short lengths as 24".

ALL PARTS READY FOR ASSEMBLY



ALL STEEL

4230 4231 4232 4236 4237 4238

4250 4251 4252 4256 4257 4258

— STEEL SPINDLES WITH ALUMINUM CENTERS AND BUTTONS —

4262 4263 4264 4265 4266 4267

4242 4243 4244 4245 4246 4247

— STEEL SPINDLES WITH BRONZE CENTERS AND BUTTONS —

4270 4271 4272 4276 4277 4278

4290 4291 4292 4296 4297 4298

"BRAUN FORGED SPINDLES"— THE STANDARD OF QUALITY

See Page 6 For Dimensions and Details  
Of Spindles, Studs, Centers and Buttons

Measurements Approximate

J.G. Braun Company

Skokie, Ill.

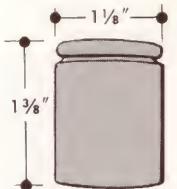
EST 1887

New York, N.Y.

## BALUSTER COLLARS

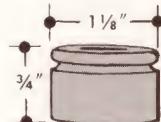
Furnished with  $\frac{1}{2}$ " Dia.  
or  $\frac{7}{16}$ " Dia. center hole

Specify hole size when ordering

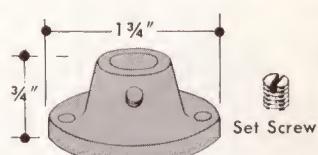


**COLLAR**  
For Closed Stringers

4208 Steel  
4219 Aluminum  
4226 Bronze

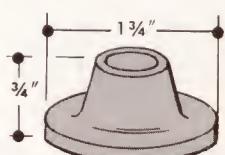


**COLLAR**  
4207 Steel  
4218 Aluminum  
4225 Bronze



**BALUSTER FLANGE**  
TYPE "P"-S Steel

Furnished With Holes and Set Screw



**BALUSTER FLANGE**  
TYPE "P"-A Aluminum  
TYPE "P"-B Bronze

## BALUSTER COLLARS • POST COLLARS AND FLANGES

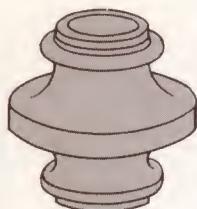
STOCKED IN MATERIALS NOTED:

CAST IRON • MALLEABLE IRON • PRESSED STEEL • STEEL

SATIN POLISHED ALUMINUM F 214 Alloy

SATIN POLISHED ARCHITECTURAL BRONZE 85 — 3/5 Alloy

Specify Material When Ordering



Type J

HOLE	WIDTH	HEIGHT
1/2" Rd.	1 1/4"	17/16"
5/8" "	1 3/8"	19/16"
3/4" "	1 5/8"	113/16"

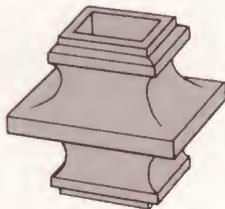
CAST IRON



4208

HOLE	WIDTH	HEIGHT
4208 - 7/16" Ø	1 1/8"	1 3/8"
4208 - 1/2" Ø	1 1/8"	1 3/8"

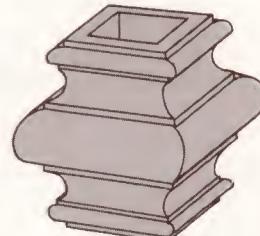
STEEL .... 4208  
ALUMINUM .... 4219  
BRONZE .... 4226



Type N

HOLE	WIDTH	HEIGHT
1/2" Sq.	13/16"	13/8"
5/8" "	1 3/8"	15/8"
3/4" "	1 9/16"	113/16"

CAST IRON  
ALUMINUM • BRONZE



Type H

HOLE	WIDTH	HEIGHT
1/2" Sq.	1 1/2"	1 1/2"
5/8" "	1 5/8"	1 3/4"
3/4" "	1 3/4"	1 3/4"

CAST IRON



Type D

HOLE	WIDTH	HEIGHT
1/2" Rd.	1 3/8"	3/4"
5/8" "	1 1/2"	7/8"
3/4" "	1 5/8"	1"

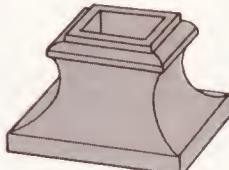
CAST IRON



4207

HOLE	WIDTH	HEIGHT
4207 - 7/16" Ø	1 1/8"	3/4"
4207 - 1/2" Ø	1 1/8"	3/4"

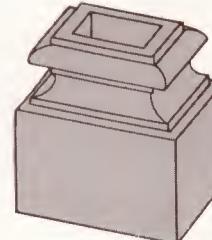
STEEL .... 4207  
ALUMINUM .... 4218  
BRONZE .... 4225



Type E

HOLE	WIDTH	HEIGHT
7/16" Sq.	1 3/8"	3/4"
1/2" "	1 3/8"	3/4"
5/8" "	1 1/2"	7/8"
3/4" "	1 5/8"	1"
7/8" "	2"	1 1/8"
1" "	2"	1 1/8"

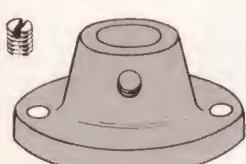
CAST IRON  
ALUMINUM • BRONZE



Type F

HOLE	WIDTH	HEIGHT
1/2" Sq.	1 1/4"	1 1/8"
5/8" "	1 3/8"	1 1/2"
3/4" "	1 5/8"	1 3/4"
1" "	1 3/4"	1 1/2"

CAST IRON

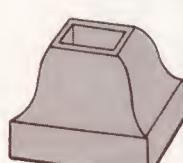


Type P  
BALUSTER FLANGE  
With Setscrew

HOLE	WIDTH	HEIGHT
7/16" Ø	1 3/4"	3/4"
5/8" Ø	1 3/4"	3/4"

CAST IRON

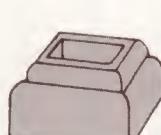
ALUMINUM • BRONZE



Type I

TYPE	HOLE	WIDTH	HEIGHT
Ia	1/2" Sq.	13/16"	1"
Ib	5/8" "	13/16"	1"
Ic	1/2" "	1 3/8"	1 1/8"
Id	5/8" "	1 3/8"	1 1/8"

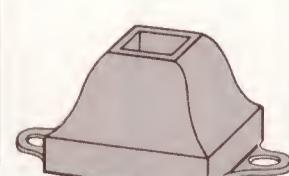
PRESSED STEEL



Type R

HOLE	WIDTH	HEIGHT
1/2" Sq.	1"	9/16"
5/8" "	1"	9/16"

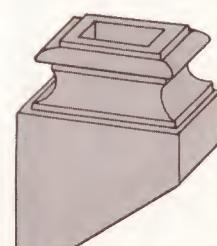
PRESSED STEEL



Type U

HOLE	WIDTH	HEIGHT
1/2" Sq.	1 1/4"	7/8"
5/8" "	1 3/8"	1"

PRESSED STEEL



Type G

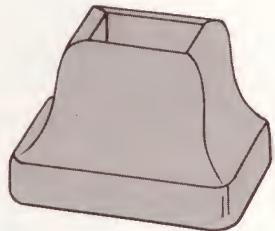
HOLE	WIDTH	HEIGHT
1/2" Sq.	1 1/4"	13/4"
5/8" "	1 3/8"	2"
3/4" "	1 5/8"	2 1/4"

Collar G cast with thin edges for change of pitch by grinding.

CAST IRON

## BALUSTER COLLARS • POST COLLARS AND FLANGES

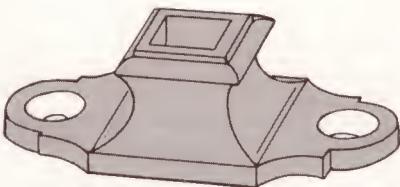
STOCKED IN MATERIALS NOTED:



Type I

TYPE	HOLE	WIDTH	HEIGHT
If	$\frac{3}{4}$ "	"	$1\frac{3}{4}$ "
Ig	1"	"	$2\frac{1}{8}$ "
Ih	$1\frac{1}{4}$ "	"	$3"$

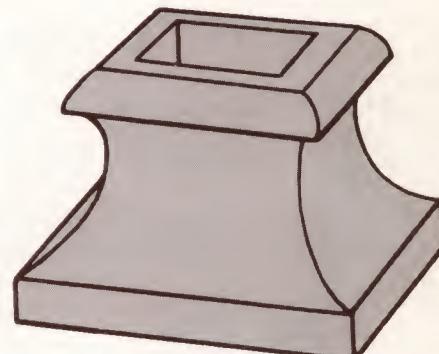
MALLEABLE IRON



Type Q

HOLE	HEIGHT	BASE
$\frac{1}{2}$ " Sq.	$\frac{3}{4}$ "	$1\frac{3}{8} \times 2\frac{1}{8}$ "
$\frac{5}{8}$ " "	$1\frac{1}{8}$ "	$2\frac{1}{8} \times 4\frac{1}{2}$ "

CAST IRON

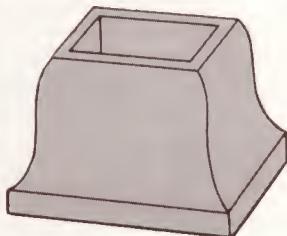


TYPE "AA" Post Collar

HOLE	WIDTH	HEIGHT
$1\frac{1}{2}$ " Sq.	$3\frac{1}{2}$ "	$2\frac{3}{4}$ "

CAST IRON

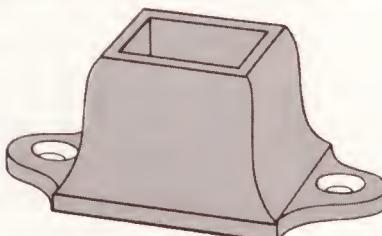
ALUMINUM BRONZE



Type X

HOLE	WIDTH	HEIGHT
$\frac{7}{16}$ " Sq.	$1\frac{1}{8}$ "	$\frac{3}{4}$ "
$\frac{1}{2}$ " "	$1\frac{1}{8}$ "	$\frac{3}{4}$ "
$\frac{5}{8}$ " "	$1\frac{1}{4}$ "	$\frac{7}{8}$ "
$\frac{3}{4}$ " "	$1\frac{1}{8}$ "	1"
$\frac{7}{8}$ " "	$1\frac{5}{8}$ "	$1\frac{1}{8}$ "
1" "	$1\frac{3}{4}$ "	$1\frac{1}{8}$ "

CAST IRON



Type Y

HOLE	HEIGHT	BASE
$\frac{7}{16}$ " Sq.	$\frac{3}{4}$ "	$1\frac{1}{8} \times 2\frac{1}{8}$ "
$\frac{1}{2}$ " "	$\frac{3}{4}$ "	$1\frac{1}{8} \times 2\frac{1}{8}$ "
$\frac{5}{8}$ " "	$\frac{7}{8}$ "	$1\frac{3}{4} \times 2\frac{1}{4}$ "
$\frac{3}{4}$ " "	1"	$1\frac{3}{8} \times 2\frac{1}{2}$ "
$\frac{7}{8}$ " "	$1\frac{1}{8}$ "	$1\frac{5}{8} \times 2\frac{3}{4}$ "
1" "	$1\frac{1}{8}$ "	$1\frac{3}{4} \times 3"$

MALLEABLE IRON

ALUMINUM BRONZE

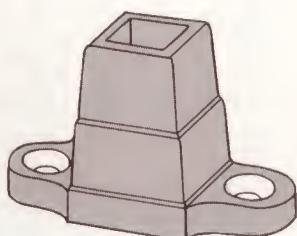


TYPE "BB" Post Collar

HOLE	WIDTH	HEIGHT
1" Ø	$2\frac{1}{4}$ "	3"

CAST IRON

ALUMINUM BRONZE

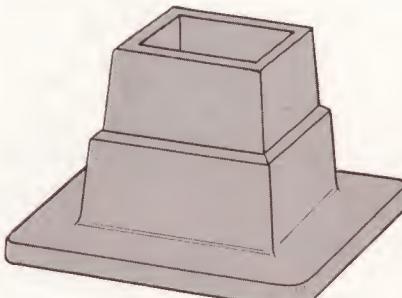


Type Z

HOLE	HEIGHT	BASE
$\frac{7}{16}$ " Sq.	$1\frac{3}{8}$ "	$1" \times 2\frac{3}{8}$ "
$\frac{1}{2}$ " "	$1\frac{3}{8}$ "	$1" \times 2\frac{3}{8}$ "
$\frac{5}{8}$ " "	$1\frac{3}{4}$ "	$1\frac{1}{8} \times 2\frac{3}{4}$ "
$\frac{3}{4}$ " "	2"	$1\frac{1}{8} \times 3\frac{1}{4}$ "
$\frac{7}{8}$ " "	$2\frac{1}{8}$ "	$1\frac{3}{4} \times 3\frac{1}{2}$ "
1" "	$2\frac{1}{4}$ "	$1\frac{3}{4} \times 3\frac{5}{8}$ "

CAST IRON

ALUMINUM • BRONZE

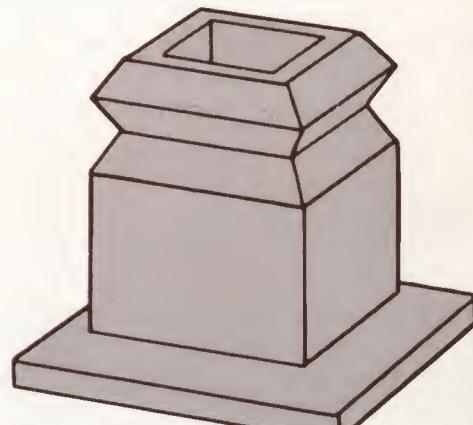


POST FLANGES No. 100

HOLE	BASE FLANGE WIDTH	HEIGHT
#100-1" Sq	$2\frac{3}{8}$ "	$1\frac{1}{2}$ "
#100-1 $\frac{1}{4}$ " "	$3\frac{3}{8}$ "	2"
#100-1 $\frac{1}{2}$ " "	$3\frac{3}{8}$ "	2"
#100-2" "	$4\frac{3}{8}$ "	$2\frac{3}{8}$ "
* #100-3" "	$5\frac{3}{8}$ "	$2\frac{1}{2}$ "

MALLEABLE IRON

ALUMINUM BRONZE



TYPE "CC" Post Collar

HOLE	WIDTH	HEIGHT
$1\frac{1}{4}$ " Sq.	$3\frac{1}{2}$ "	$3\frac{1}{4}$ "

CAST IRON

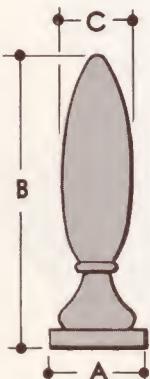
ALUMINUM • BRONZE

J.G. Braun Company

## FINIALS

STOCKED IN MATERIALS NOTED:

STEEL • ALUMINUM • BRASS



### FLAME TYPE FINIALS

 With  $\frac{3}{8}$ " - 16 Tapped Hole In Base

SQUARE BASE	DIMENSIONS			ROUND BASE
	A	B	C	

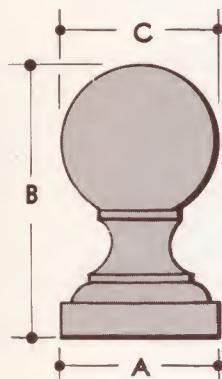
**ALUMINUM** 2011-T3 Alloy Bright Polished Finish

No. 4407	1"	3"	$\frac{3}{4}$ "	No. 4406
No. 4409	$\frac{1}{4}$ "	4"	1"	No. 4408

**BRASS** Bright Polished & Lacquered

No. 4554	1"	3"	$\frac{3}{4}$ "	No. 4556
No. 4555	$\frac{1}{4}$ "	4"	1"	No. 4559

### BALL TYPE FINIALS

 $\frac{3}{8}$ " - 16 Tapped Hole In Base


#### STEEL

SQUARE BASE	DIMENSIONS			ROUND BASE
	A	B	C	
No. 4503	1"	$1\frac{3}{4}$ "	1"	No. 4530
No. 4504	$1\frac{1}{4}$ "	$2\frac{1}{8}$ "	$1\frac{1}{4}$ "	No. 4531
No. 4505	$1\frac{1}{2}$ "	$2\frac{1}{2}$ "	$1\frac{1}{2}$ "	No. 4532
* No. 4540	$1\frac{3}{4}$ "	$2\frac{7}{8}$ "	$1\frac{3}{4}$ "	
* No. 4541	2"	$3\frac{1}{4}$ "	2"	* No. 4414

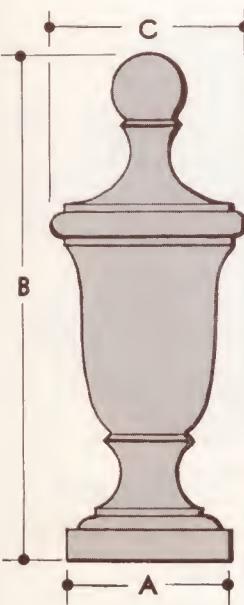
\* Malleable Iron, not Tapped

**ALUMINUM** 2011-T3 Alloy Bright Polished Finish

No. 4560	1"	$1\frac{3}{4}$ "	1"	No. 4565
No. 4561	$1\frac{1}{4}$ "	$2\frac{1}{8}$ "	$1\frac{1}{4}$ "	No. 4566
No. 4562	$1\frac{1}{2}$ "	$2\frac{1}{2}$ "	$1\frac{1}{2}$ "	No. 4567
No. 4564	$1\frac{3}{4}$ "	$3\frac{1}{4}$ "	2"	No. 4415

**BRASS** Bright Polished & Lacquered

No. 4500	1"	$1\frac{3}{4}$ "	1"	No. 4506
No. 4501	$1\frac{1}{4}$ "	$2\frac{1}{8}$ "	$1\frac{1}{4}$ "	No. 4507
No. 4502	$1\frac{1}{2}$ "	$2\frac{1}{2}$ "	$1\frac{1}{2}$ "	No. 4508
No. 4551	$1\frac{3}{4}$ "	$3\frac{1}{4}$ "	2"	No. 4416



### URN TYPE FINIALS

 $\frac{3}{8}$ " - 16 Tapped Hole In Base

SQUARE BASE	DIMENSIONS			ROUND BASE
	A	B	C	
No. 4513	1"	3"	$1\frac{1}{4}$ "	No. 4533
No. 4514	$1\frac{1}{4}$ "	4"	$1\frac{1}{2}$ "	No. 4534
No. 4515	$1\frac{1}{2}$ "	5"	$1\frac{3}{4}$ "	* No. 4535
* No. 4539	$1\frac{3}{4}$ "	6"	$2\frac{1}{4}$ "	* No. 4411

\* Malleable Iron, not Tapped

**ALUMINUM** 2011-T3 Alloy Bright Polished Finish

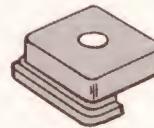
No. 4570	1"	3"	$1\frac{1}{4}$ "	No. 4597
No. 4571	$1\frac{1}{4}$ "	4"	$1\frac{1}{2}$ "	No. 4598
No. 4572	$1\frac{1}{2}$ "	5"	$1\frac{3}{4}$ "	No. 4599
No. 4573	$1\frac{3}{4}$ "	6"	$2\frac{1}{4}$ "	No. 4412

**BRASS** Bright Polished & Lacquered

No. 4510	1"	3"	$1\frac{1}{4}$ "	No. 4516
No. 4511	$1\frac{1}{4}$ "	4"	$1\frac{1}{2}$ "	No. 4517
No. 4512	$1\frac{1}{2}$ "	5"	$1\frac{3}{4}$ "	No. 4518
No. 4519	$1\frac{3}{4}$ "	6"	$2\frac{1}{4}$ "	No. 4410

## MALLEABLE IRON

### FINIAL BASES



#### END FINIAL BASE

For Steel Handrails

1162 1249

1247 1252

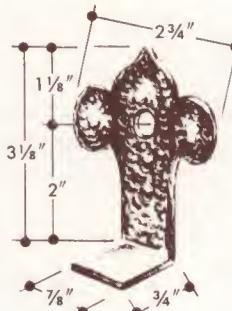
1248 1255

1256

End Finial Bases are available with  $\frac{3}{16}$ " hole or without hole. Specify WITH or WITHOUT hole when ordering. If not specified End Finial Bases with holes will be shipped.

### STEEL WALL RAILING ANCHOR BRACKET

 $\frac{1}{8}$ " Thickness

 No. 5500 Plain Finish  
No. 5501 Embossed Finish


### MALLEABLE IRON PICKETS and Hinge Plate



No. 4



No. 2



No. 3



No. 12



No. 6

Number	Length	Will Fit
2	4- $\frac{3}{4}$ "	$\frac{1}{2}$ " to $\frac{5}{8}$ " (R)
3	5- $\frac{1}{2}$ "	$\frac{1}{2}$ " to $\frac{5}{8}$ " ( )
4	6"	$\frac{1}{2}$ " to $\frac{5}{8}$ " ( )
5	7- $\frac{3}{4}$ "	Hinge Plate
6	6- $\frac{1}{4}$ "	$\frac{3}{4}$ " to 1- $\frac{1}{4}$ " ( )
12	4- $\frac{1}{4}$ "	$\frac{1}{2}$ " to $\frac{5}{8}$ " (R)

No. 5 Hinge Plate

J.G. Braun Company

# ARCHITECTURAL STEEL

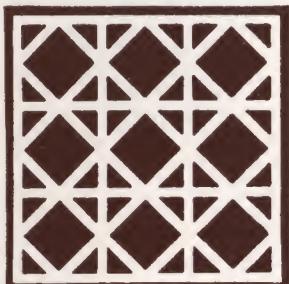
## PERFORATED STEEL SHEETS

22 Ga. C. R. Steel

Can be Sheared, Bent, Welded, Painted, Plated, Enameled and otherwise Finished.

For Radiator Covers, Registers, Grills, Fire and Window Screens, Furniture, Cabinets, Display Fixtures, Flower Stands.

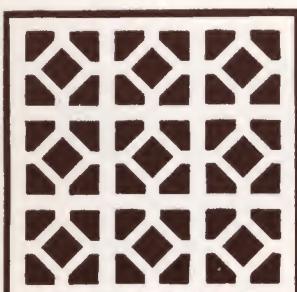
Illustrations are not full size.



P 2055 36" x 120" .55% open



P 2052 36" x 120" .43% open



P 2056 36" x 120" .43% open



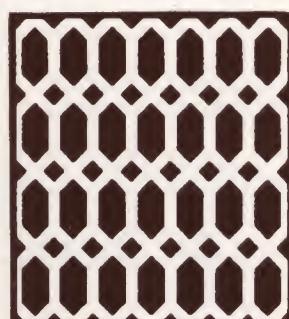
P 2051 36" x 120" .38% open



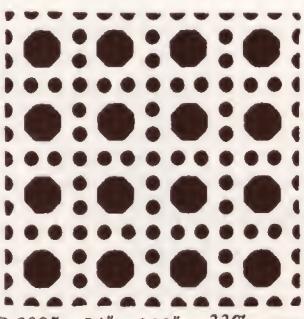
P 2097 36" x 120" .48% open



P 2096 36" x 120" .50% open



P 2053 36" x 120" .56% open



P 2095 36" x 120" .33% open

## BOND-O (-A-)

FOR ANCHORING IRON and STEEL IN CONCRETE

An Absolute Watertight Fit—  
No Caulking Necessary

TO ANCHOR . . . . .

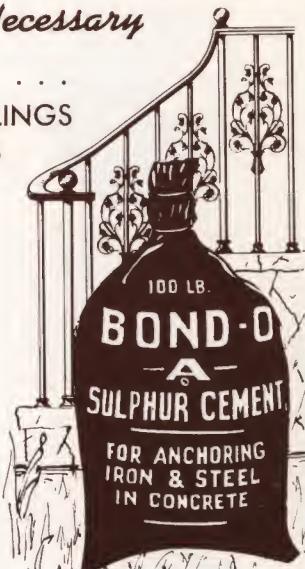
ORNAMENTAL RAILINGS

WINDOW GUARDS

PIPE RAILINGS

LAMP POSTS

GATE POSTS



BOND-O (-A-) is made especially for anchoring iron or steel posts

BOND-O (-A-) is much stronger than lead, plain sulphur or other compounds.

BOND-O (-A-) does not shrink as it cools but actually bonds to both metal and concrete.

BOND-O (-A-) reduces installation cost — only 1 lb. required to fill a space that would require 4 lbs. of lead.

BOND-O (-A-) has a tensile strength of over double and a compressive strength of over triple that of good concrete.

BOND-O (-A-) resists electrolysis as it completely fills the space between metal and concrete. No caulking is required. Just melt with low flame and pour. Melting point 248°.

BOND-O (-A-) has been used by Ornamental Iron Workers and contractors for more than 20 years with complete satisfaction.

For over a half century sulphur and sulphur cements have been used to anchor and join iron and steel components and pipe.

Sulphur alone has been used but, due to its lack of strength, has not a particularly good record for permanency.

Send for your copy of Catalog No. 900 — 21 designs of STAMPED STEEL TREILLAGE PANELS



Ideal for Railings, Fences, Marquees, Grills, Lantern Posts, Room Dividers, Railing Panels, Screens, Pool Enclosures, Car Ports . . . . .

Unlimited Application

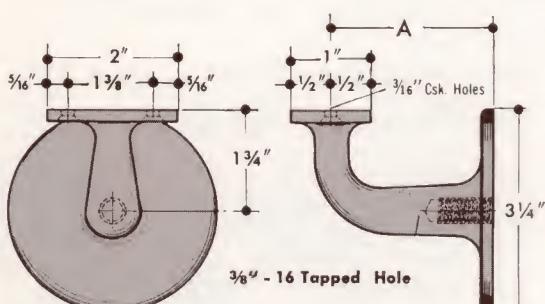
Can be Easily cut, bent, welded and erected . . . to Suit Job Condition.

Sold by the pound —  
200 lb minimum order

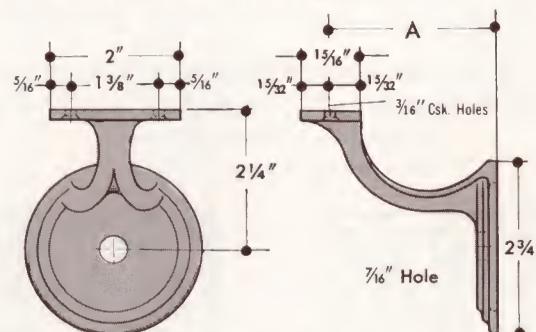
## BRACKETS — FOR FLAT BARS OR CHANNELS

MALLEABLE IRON • ALUMINUM F 214 Alloy — Satin Polished Finish • ARCHITECTURAL BRONZE 85 3/5 Alloy — Satin Polished Finish

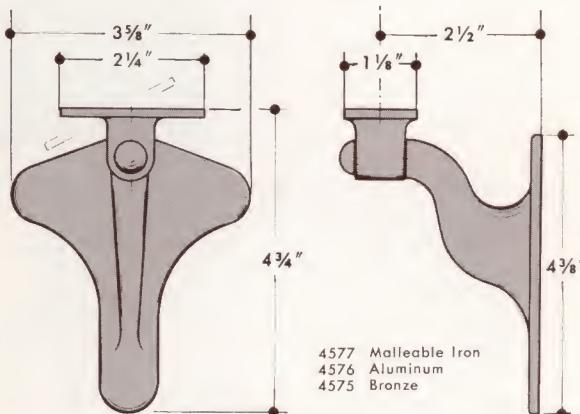
Where holes are indicated for screws they are countersunk or drilled and tapped as indicated.



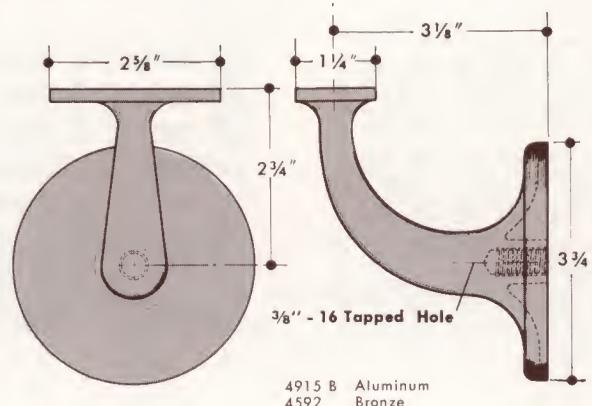
NUMBER	DIM. "A"	METAL
4589	2 1/2"	Malleable Iron
4545	3"	Malleable Iron
4587	2 1/2"	Aluminum
4499	3"	Aluminum
4588	2 1/2"	Bronze
4497	3"	Bronze



NUMBER	DIM. "A"	METAL
4591	2 1/2"	Malleable Iron
4548	3"	Malleable Iron
4580	2 1/2"	Aluminum
4495	3"	Aluminum
4584	2 1/2"	Bronze
4493	3"	Bronze

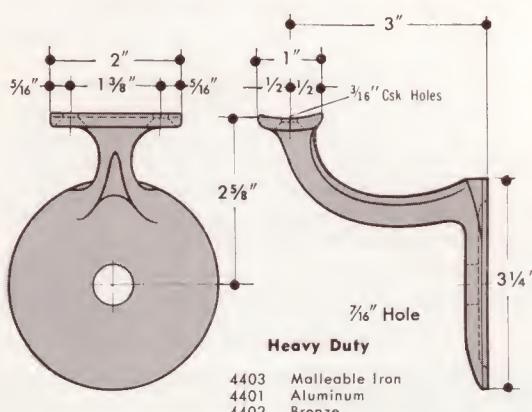


4577 Malleable Iron  
4576 Aluminum  
4575 Bronze

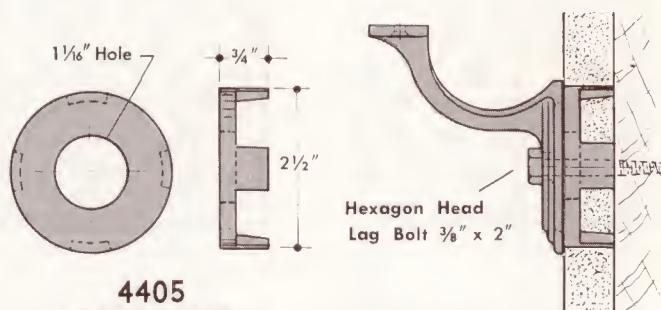


4915 B Aluminum  
4592 Bronze

### Top for Bar or Channel or Pipe Rail



Heavy Duty  
4403 Malleable Iron  
4401 Aluminum  
4402 Bronze



4405  
CAST IRON  
WALL BRACKET  
FILLER PLATE

SKETCH SHOWING  
FASTENING OF BRACKET  
USING FILLER 4405

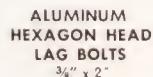
### BOLTS FOR HANDRAIL BRACKETS

USED WITH BRACKETS THAT ARE DRILLED AND TAPPED FROM THE BACK. Such as No. 4589 Top Left of Page.

STEEL  
HANGER BOLTS  
3/8" x 3"



ALUMINUM  
HEXAGON HEAD  
LAG BOLTS  
3/8" x 2"



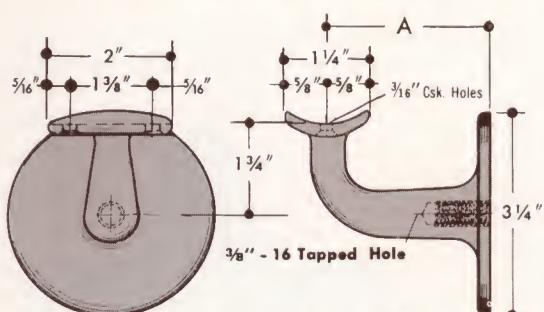
USED WITH BRACKETS THAT HAVE A HOLE IN FACE PLATE. Such as No. 4591 top right of Page.

J.G. Braun Company

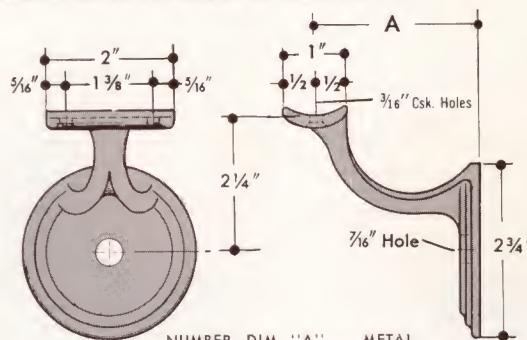
## BRACKETS — FOR PIPE RAILS

MALLEABLE IRON • ALUMINUM F 214 Alloy — Satin Polished Finish • ARCHITECTURAL BRONZE 85 3/5 Alloy — Satin Polished Finish

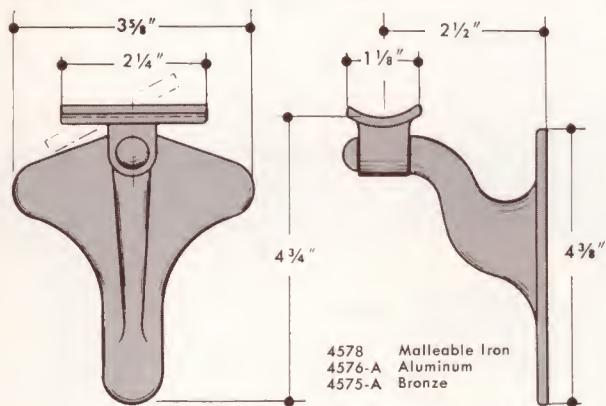
Where holes are indicated for screws they are countersunk or drilled and tapped as indicated.



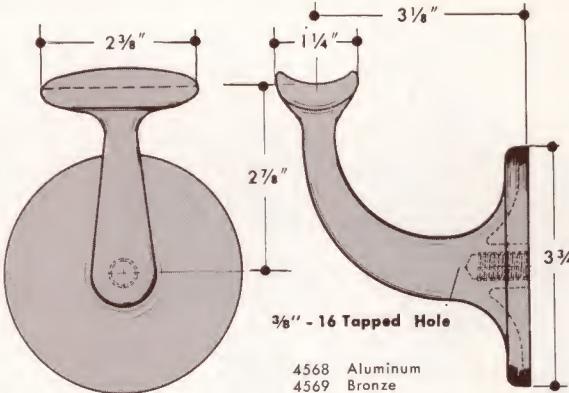
NUMBER	DIM. "A"	MATERIAL
4595	2 1/2"	Malleable Iron
4546	3"	Malleable Iron
4593	2 1/2"	Aluminum
4498	3"	Aluminum
4594	2 1/2"	Bronze
4496	3"	Bronze



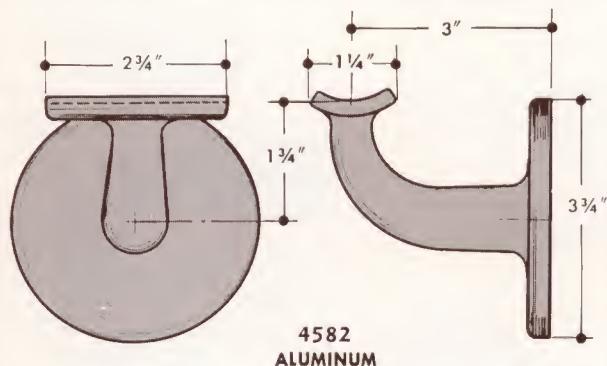
NUMBER	DIM. "A"	MATERIAL
4596	2 1/2"	Malleable Iron
4549	3"	Malleable Iron
4579	2 1/2"	Aluminum
4494	3"	Aluminum
4583	2 1/2"	Bronze
4492	3"	Bronze



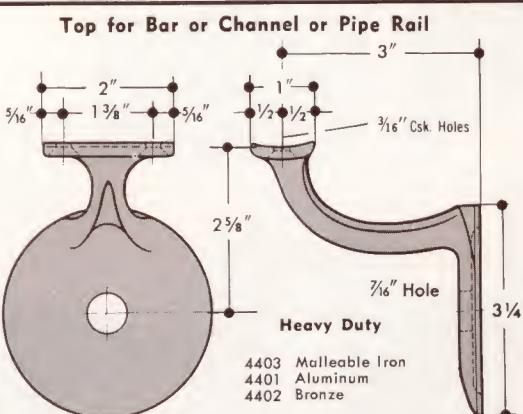
4578 Malleable Iron  
4576-A Aluminum  
4575-A Bronze



4568 Aluminum  
4569 Bronze



4403 Malleable Iron  
4401 Aluminum  
4402 Bronze



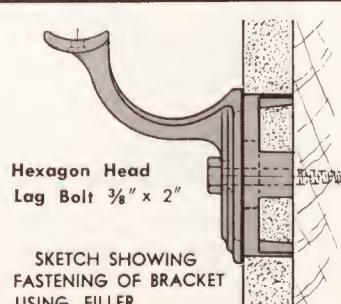
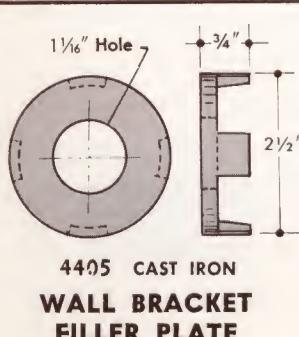
### BOLTS FOR HANDRAIL BRACKETS



USED WITH BRACKETS THAT HAVE A HOLE IN FACE PLATE. Such as No. 4596 top right of Page.



USED WITH BRACKETS THAT ARE DRILLED AND TAPPED FROM THE BACK. Such as No. 4595 Top Left of Page.

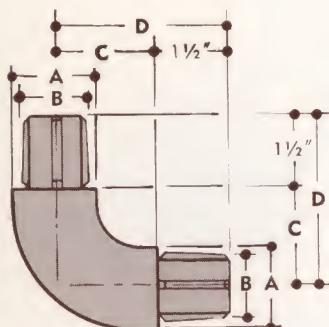


SKETCH SHOWING FASTENING OF BRACKET USING FILLER

## "11000 SERIES" PIPE RAIL FITTINGS — FLUSH TYPE • 90° CAST IRON

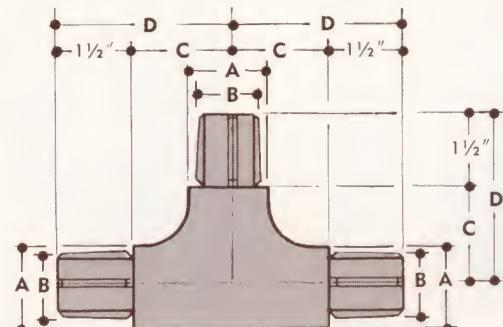
Designed for 1 $\frac{1}{4}$ " or 1 $\frac{1}{2}$ " I.P.S. Standard Pipe

IDEAL FOR QUICK AND EASY INSTALLATION — A STURDY AND ATTRACTIVE RAIL AT REASONABLE COST.



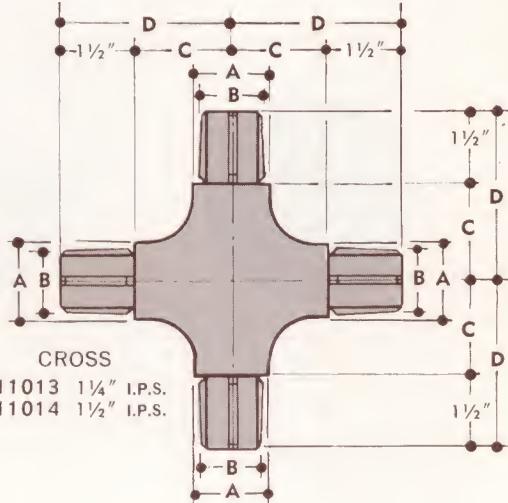
ELBOW

11005 1 $\frac{1}{4}$ " I.P.S.  
11006 1 $\frac{1}{2}$ " I.P.S.



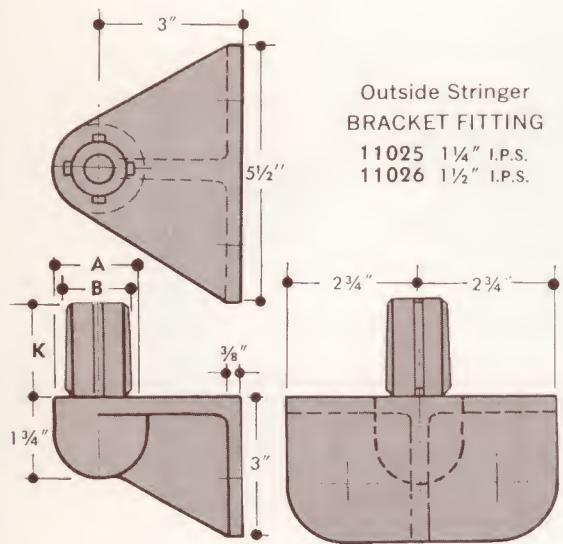
TEE

11011 1 $\frac{1}{4}$ " I.P.S. 11012 1 $\frac{1}{2}$ " I.P.S.



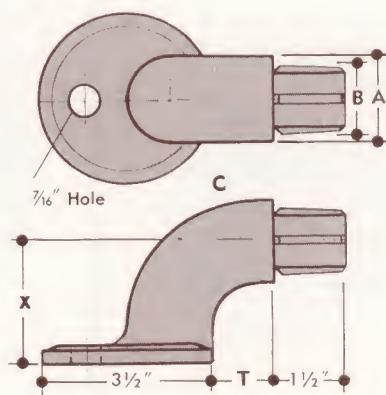
CROSS

11013 1 $\frac{1}{4}$ " I.P.S.  
11014 1 $\frac{1}{2}$ " I.P.S.



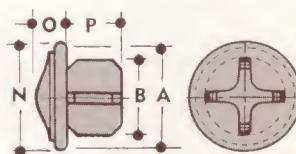
Outside Stringer  
BRACKET FITTING

11025 1 $\frac{1}{4}$ " I.P.S.  
11026 1 $\frac{1}{2}$ " I.P.S.



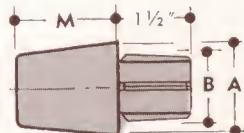
WALL FITTING

Dim. "X" 2 $\frac{1}{2}$ " Dim. "X" 3"  
11003 1 $\frac{1}{4}$ " I.P.S. 11055 1 $\frac{1}{4}$ " I.P.S.  
11004 1 $\frac{1}{2}$ " I.P.S. 11056 1 $\frac{1}{2}$ " I.P.S.



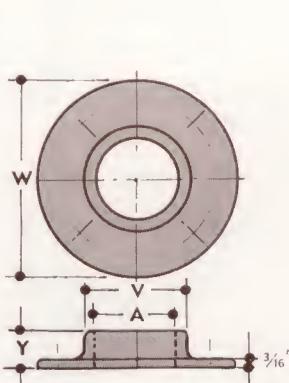
PIPE PLUGS  
Drive Fit

11007 1 $\frac{1}{4}$ " I.P.S.  
11008 1 $\frac{1}{2}$ " I.P.S.



FLUSH TERMINAL CAP

11023 1 $\frac{1}{4}$ " I.P.S.  
11024 1 $\frac{1}{2}$ " I.P.S.

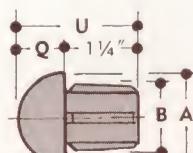


NECK FLANGE Oval Base

11059 1 $\frac{1}{4}$ " I.P.S.  
11060 1 $\frac{1}{2}$ " I.P.S.

FLOOR OR WALL FLANGE

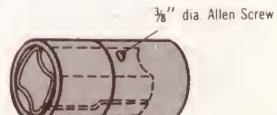
11009 1 $\frac{1}{4}$ " I.P.S.  
11010 1 $\frac{1}{2}$ " I.P.S.



TERMINAL CAP

11061 1 $\frac{1}{4}$ " I.P.S.

11062 1 $\frac{1}{2}$ " I.P.S.



PIPERAIL SPLICE LOCK

11057 1 $\frac{1}{4}$ " I.P.S.  
11058 1 $\frac{1}{2}$ " I.P.S.

NECK FLANGE Round Base  
11015 1 $\frac{1}{4}$ " I.P.S. 11016 1 $\frac{1}{2}$ " I.P.S.

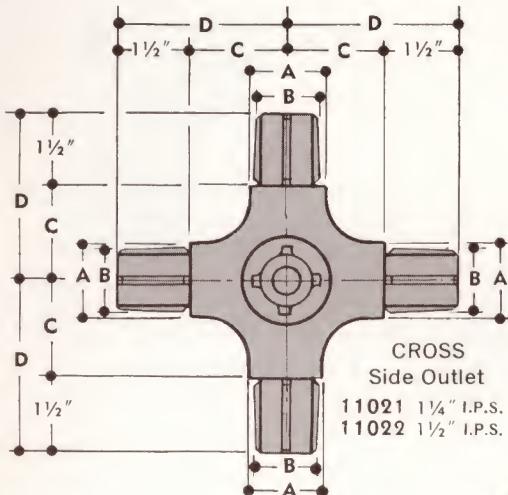
J.G. Braun Company

# ARCHITECTURAL STEEL

## "11000 SERIES" PIPE RAIL FITTINGS — FLUSH TYPE • 90° CAST IRON

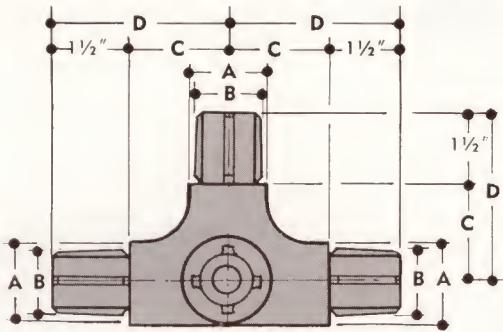
Designed for 1 $\frac{1}{4}$ " or 1 $\frac{1}{2}$ " I.P.S. Standard Pipe

IDEAL FOR QUICK AND EASY INSTALLATION — A STURDY AND ATTRACTIVE RAIL AT REASONABLE COST.

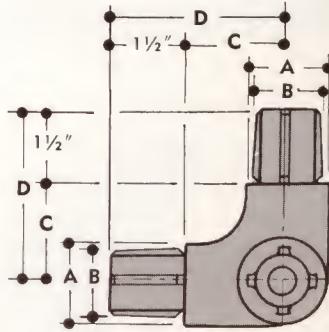


CROSS  
Side Outlet

11021 1 $\frac{1}{4}$ " I.P.S.  
11022 1 $\frac{1}{2}$ " I.P.S.

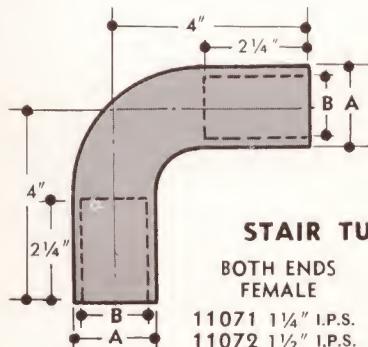


TEE Side Outlet  
11019 1 $\frac{1}{4}$ " I.P.S.  
11020 1 $\frac{1}{2}$ " I.P.S.



ELBOW Side Outlet  
11017 1 $\frac{1}{4}$ " I.P.S.  
11018 1 $\frac{1}{2}$ " I.P.S.

WRITE FOR COMPLETE CATALOG OF "11000 SERIES" PIPERAIL FITTINGS. WITH COMPLETE DETAILS OF APPLICATION FOR STAIR TURN FITTINGS, SAFETY RETURN TERMINALS AND TERMINAL ENDS.



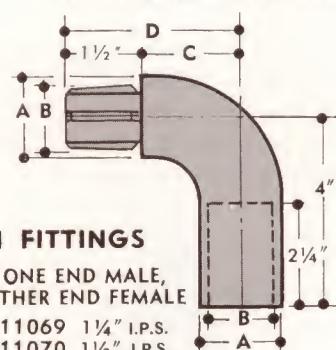
STAIR TURN FITTINGS

BOTH ENDS  
FEMALE

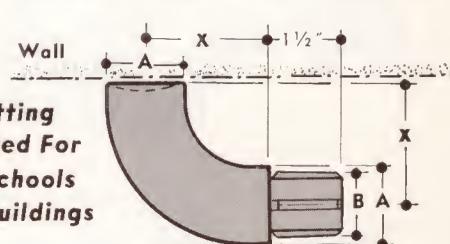
11071 1 $\frac{1}{4}$ " I.P.S.  
11072 1 $\frac{1}{2}$ " I.P.S.

ONE END MALE,  
OTHER END FEMALE

11069 1 $\frac{1}{4}$ " I.P.S.  
11070 1 $\frac{1}{2}$ " I.P.S.



**A New Fitting  
Recommended For  
Safety in Schools  
and Public Buildings**

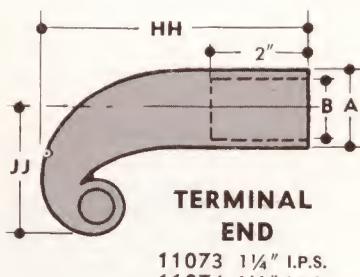


SAFETY RETURN TERMINAL

DIMENSION X 2 1/2"  
11065 1 $\frac{1}{4}$ " I.P.S.  
11066 1 $\frac{1}{2}$ " I.P.S.

DIMENSION X 3"  
11067 1 $\frac{1}{4}$ " I.P.S.  
11068 1 $\frac{1}{2}$ " I.P.S.

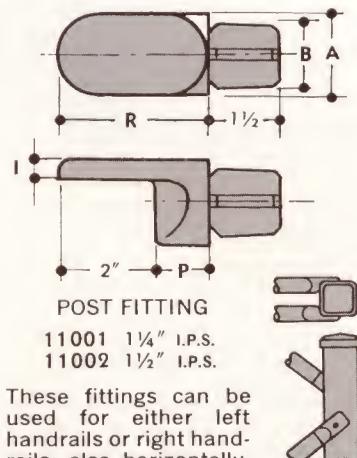
See Page 17 For Sketches of Suggested Application



TERMINAL  
END

11073 1 $\frac{1}{4}$ " I.P.S.  
11074 1 $\frac{1}{2}$ " I.P.S.

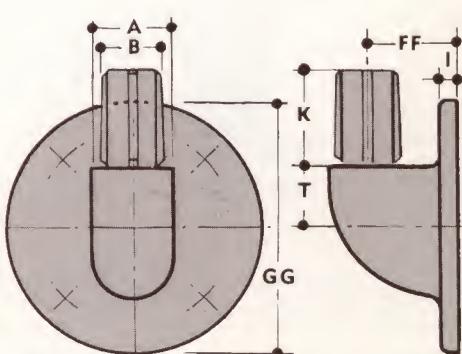
Pipe and Flush Type Fittings are fastened together by means of pins or welding



POST FITTING

11001 1 $\frac{1}{4}$ " I.P.S.  
11002 1 $\frac{1}{2}$ " I.P.S.

These fittings can be used for either left handrails or right handrails, also horizontally.



FASCIA FLANGE  
11063 1 $\frac{1}{4}$ " I.P.S.  
11064 1 $\frac{1}{2}$ " I.P.S.

FOR SELECTION OF BRACKETS SEE PAGE 13

PIPE SIZE I.P.S.	FITTING ANGLE ( $\phi$ )	DIMENSIONS—INCHES																										
		A	B	C	D	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	Y	Z	EE	FF	GG	HH	JJ	
1 $\frac{1}{4}$	90°	1 $\frac{1}{2}$	1 $\frac{3}{8}$	2	3 $\frac{1}{2}$	$\frac{3}{8}$	1	2 $\frac{1}{16}$	3 $\frac{1}{16}$	1 $\frac{3}{4}$	1 $\frac{1}{8}$	1 $\frac{1}{2}$	1	5 $\frac{3}{4}$	3	4 $\frac{1}{8}$	1 $\frac{1}{4}$	2 $\frac{5}{8}$	2 $\frac{1}{8}$	3 $\frac{7}{8}$	1 $\frac{1}{16}$	2 $\frac{1}{2}$	6	1 $\frac{1}{16}$	5 $\frac{5}{16}$	5 $\frac{1}{2}$	2 $\frac{3}{8}$	
1 $\frac{1}{2}$	90°	1 $\frac{3}{4}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	2 $\frac{1}{4}$	3 $\frac{3}{4}$	$\frac{7}{16}$	1 $\frac{1}{16}$	2 $\frac{7}{16}$	3 $\frac{1}{2}$	2	2 $\frac{1}{8}$	$\frac{9}{16}$	1 $\frac{1}{8}$	6 $\frac{1}{16}$	3 $\frac{1}{8}$	5 $\frac{1}{8}$	1 $\frac{1}{2}$	2 $\frac{13}{16}$	2 $\frac{3}{8}$	4 $\frac{3}{16}$	$\frac{7}{8}$	2 $\frac{3}{4}$	6 $\frac{1}{2}$	1 $\frac{1}{32}$	5 $\frac{5}{8}$	5 $\frac{3}{4}$	2 $\frac{3}{4}$

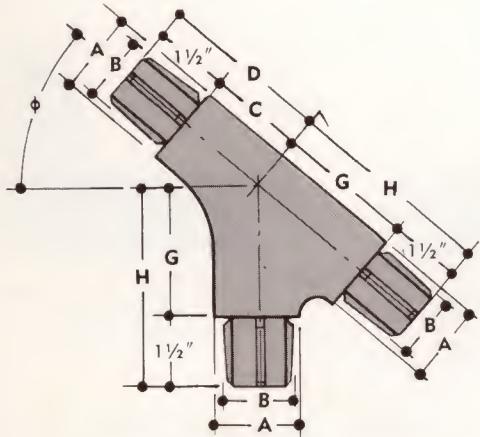
All flanges furnished without anchorage holes,  
except No's. 11003, 11004, 11055, 11056

**J.G. Braun Company**

Measurements Approximate

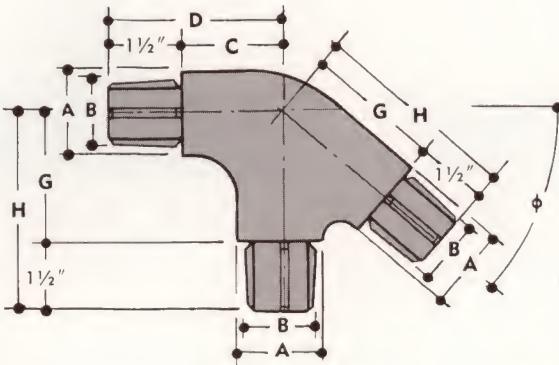
**"11000 SERIES" PIPE RAIL FITTINGS — FLUSH TYPE ..... 35° AND 40°****CAST IRON**Designed for 1 $\frac{1}{4}$ " or 1 $\frac{1}{2}$ " I.P.S. Standard Pipe

IDEAL FOR QUICK AND EASY INSTALLATION — A STURDY AND ATTRACTIVE RAIL AT REASONABLE COST.



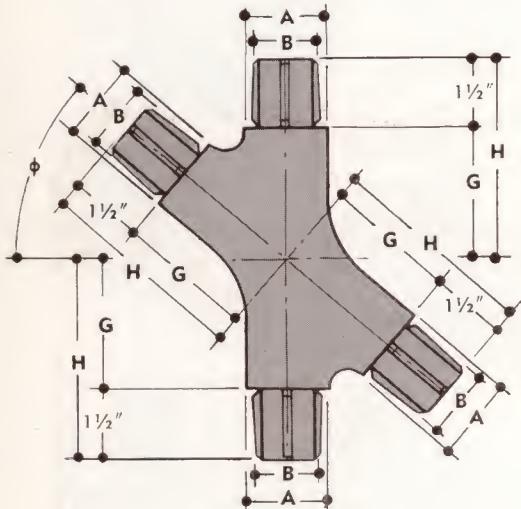
HORIZONTAL OR VERTICAL ANGLE TEE

35°                    40°  
 11039 1 $\frac{1}{4}$ " I.P.S.    11041 1 $\frac{1}{4}$ " I.P.S.  
 11040 1 $\frac{1}{2}$ " I.P.S.    11042 1 $\frac{1}{2}$ " I.P.S.



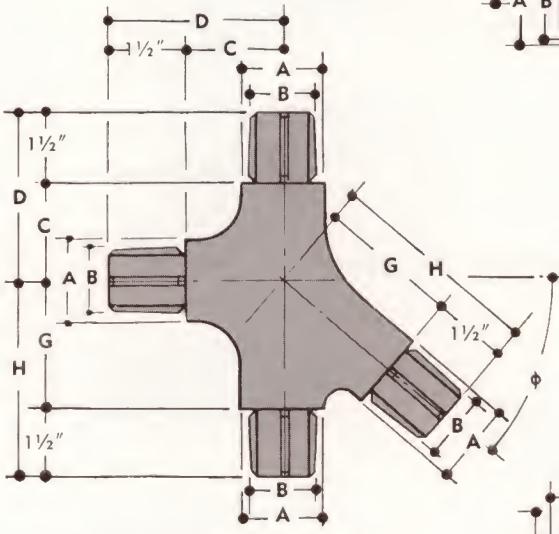
HALF HORIZONTAL ANGLE TEE

35°                    40°  
 11035 1 $\frac{1}{4}$ " I.P.S.    11037 1 $\frac{1}{4}$ " I.P.S.  
 11036 1 $\frac{1}{2}$ " I.P.S.    11038 1 $\frac{1}{2}$ " I.P.S.



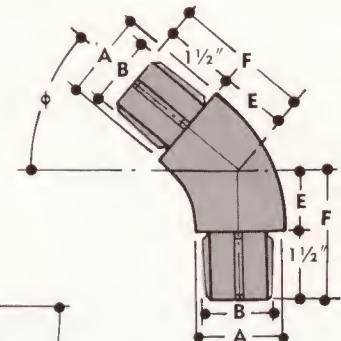
VERTICAL ANGLE CROSS

35°                    40°  
 11043 1 $\frac{1}{4}$ " I.P.S.    11045 1 $\frac{1}{4}$ " I.P.S.  
 11044 1 $\frac{1}{2}$ " I.P.S.    11046 1 $\frac{1}{2}$ " I.P.S.



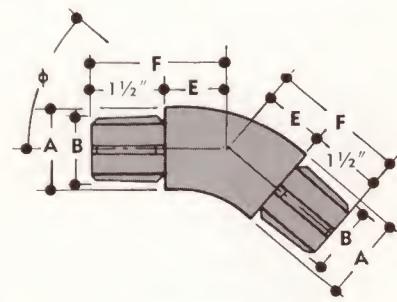
HALF VERTICAL ANGLE CROSS

35°                    40°  
 11047 1 $\frac{1}{4}$ " I.P.S.    11049 1 $\frac{1}{4}$ " I.P.S.  
 11048 1 $\frac{1}{2}$ " I.P.S.    11050 1 $\frac{1}{2}$ " I.P.S.



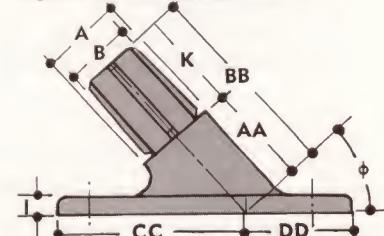
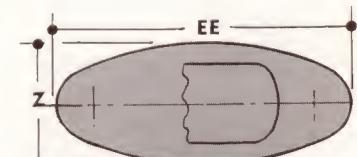
VERTICAL ANGLE ELL

35°  
 11031 1 $\frac{1}{4}$ " I.P.S.  
 11032 1 $\frac{1}{2}$ " I.P.S.  
 40°  
 11033 1 $\frac{1}{4}$ " I.P.S.  
 11034 1 $\frac{1}{2}$ " I.P.S.



HORIZONTAL ANGLE ELL

35°  
 11027 1 $\frac{1}{4}$ " I.P.S.  
 11028 1 $\frac{1}{2}$ " I.P.S.  
 40°  
 11029 1 $\frac{1}{4}$ " I.P.S.  
 11030 1 $\frac{1}{2}$ " I.P.S.



ANGLE NECK FLANGE Oval Base

35°                    40°  
 11051 1 $\frac{1}{4}$ " I.P.S.    11053 1 $\frac{1}{4}$ " I.P.S.  
 11052 1 $\frac{1}{2}$ " I.P.S.    11054 1 $\frac{1}{2}$ " I.P.S.

All flanges furnished without anchorage holes

SPECIFY "CAST IRON" When Ordering. These Fittings are available in Architectural Bronze or Aluminum, as well.

**J.G. Braun Company**

# ARCHITECTURAL STEEL

## APPLICATION OF STAIR TURN FITTINGS NO. 11069 THRU 11072

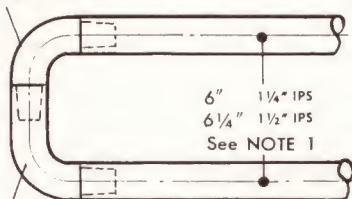
(SEE PAGE 15 FOR ILLUSTRATIONS OF INDIVIDUAL ITEMS)

USED FOR: HORIZONTAL U TURNS    PLATFORM U TURNS  
STAIR LANDING U TURNS    OFFSET BENDS IN RAILINGS  
END PIECES FOR DOUBLE RAILINGS

### Note 1 —

Dimension can be reduced to 4½" by cutting Ends of Fittings

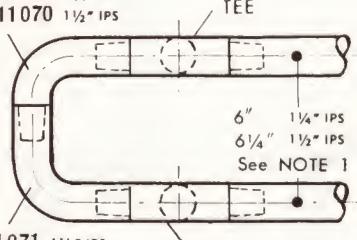
11065 1½" IPS  
11006 1½" IPS



11069 1½" IPS  
11070 1½" IPS

**SKETCH A**  
For Connection to Pipe on Both Ends

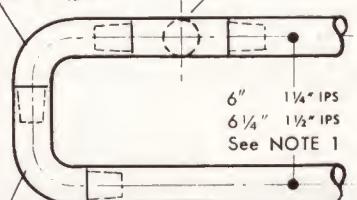
11069 1½" IPS  
11070 1½" IPS



11071 1½" IPS  
11072 1½" IPS

**SKETCH B**  
For Connection to Fittings on Both Ends

11069 1½" IPS  
11070 1½" IPS



11069 1½" IPS  
11070 1½" IPS

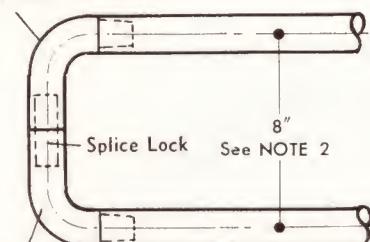
**SKETCH C**

For Connection to Pipe on One End and to Fitting on Other End

### Note 2 —

Dimension can be reduced to 6" by cutting Ends of Fittings

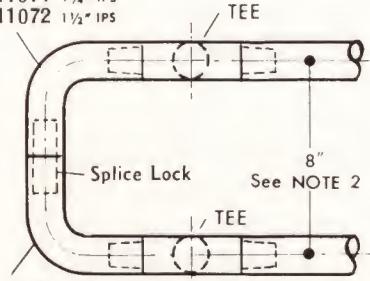
11069 1½" IPS  
11070 1½" IPS



11069 1½" IPS  
11070 1½" IPS

**SKETCH D**  
For Connection to Pipe on Both Ends

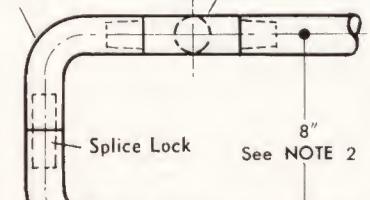
11071 1½" IPS  
11072 1½" IPS



11071 1½" IPS  
11072 1½" IPS

**SKETCH E**  
For Connection to Fittings on Both Ends

11069 1½" IPS  
11070 1½" IPS



11069 1½" IPS  
11070 1½" IPS

**SKETCH F**  
For Connection to Pipe on One End and to Fitting on Other End

## STEEL WELDING FITTINGS FOR PIPERAILS

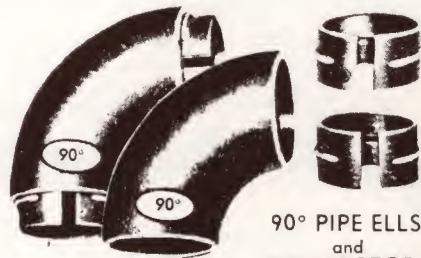
FOR ALL PIPE RAILING JOBS

I.P.S.	1"	1 ¼"	1 ½"	2"
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ALSO AVAILABLE IN ALUMINUM-BRONZE-STAINLESS

Connectors are snap-in type with shoulder to hold pipe and ell in alignment, preparing connection for welding operation. Connectors slip easily and quickly into the ell with spring fit.

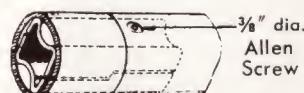
PIPE CONNECTORS hold pipe and fitting connections in perfect position, ready for welding.



**90° PIPE ELLS and CONNECTORS**



**45° PIPE ELLS and CONNECTORS**



**PIPE RAILING SPLICE LOCK**



Level-Formed Stair Flanges for Channel and Plate Stringers and Concrete Stairs



Beveled-Formed Stair Flanges for Channel & Plate Stringers & Concrete Stairs

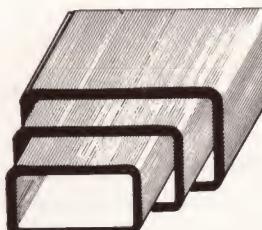
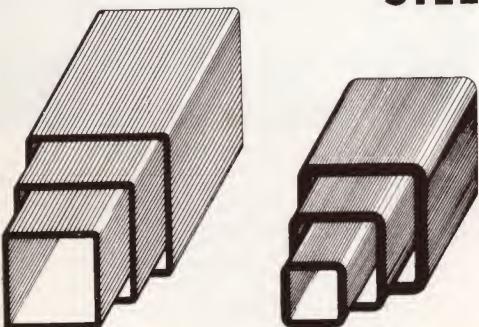
**FLOOR OR WALL FLANGES**



PLAIN WITH HOLES OR WITH SET SCREW  
Specify When Ordering

# ARCHITECTURAL STEEL TUBING ... POST CAPS ... HINGES

## STEEL TUBING



### MECHANICAL STEEL TUBING

Electrically Welded  
HOT ROLLED PICKLED AND OILED  
20 Ft. Lengths

#### SQUARE

Outside Diam.	BWG	
3/8" x 1"	3/8" x 18	1 1/4" x 1 1/4" x 14
1/2" x 1"	1/2" x 16	1 1/2" x 1 1/2" x 14
5/8" x 1"	5/8" x 16	1 3/4" x 1 3/4" x 14
3/4" x 1"	3/4" x 16	2" x 2" x 14
7/8" x 1"	7/8" x 16	2 1/2" x 2 1/2" x 14
1" x 1"	1" x 16	3" x 3" x 14
1" x 1"	12	

Outside Diam.	BWG	
1/4" x 1"	1/4" x 14	+ 1" x 1" x .073" (15 GA)
1/2" x 1"	1/2" x 14	1" x 1" x .120" (11 GA)
5/8" x 1"	5/8" x 14	+ 1 1/4" x 1 1/4" x .135"
3/4" x 1"	3/4" x 14	+ 1 1/2" x 1 1/2" x .140"
7/8" x 1"	7/8" x 14	+ 2" x 2" x .145"
1" x 1"	1" x 14	+ 2 1/2" x 2 1/2" x .188"
1" x 2"	14	3" x 3" x .180"
1" x 2 1/2"	14	3 1/2" x 3 1/2" x .180"
1" x 3"	14	4" x 4" x .180"
1" x 3 1/2"	14	4" x 4" x .238"

#### RECTANGULAR

3/8" x 1"	x 16	1 1/4" x 2" x 14
1/2" x 1"	16	1 1/4" x 2 1/2" x 14
1/2" x 1 1/2"	16	1 1/4" x 3 1/2" x 14
5/8" x 2"	14	1 1/2" x 2" x 14
3/4" x 1 1/2"	14	1 1/2" x 2 1/2" x 14
1" x 1 1/2"	14	1 1/2" x 3" x 14
1" x 2"	14	1 1/2" x 3 1/2" x 14
1" x 2 1/2"	14	2" x 3" x 14
1" x 3"	14	2" x 4" x 14
1" x 3 1/2"	14	

3/8" x 1"	x 16	1 1/4" x 2" x 14
1/2" x 1"	16	1 1/4" x 2 1/2" x 14
1/2" x 1 1/2"	16	1 1/4" x 3 1/2" x 14
5/8" x 2"	14	1 1/2" x 2" x 14
3/4" x 1 1/2"	14	1 1/2" x 2 1/2" x 14
1" x 1 1/2"	14	1 1/2" x 3" x 14
1" x 2"	14	1 1/2" x 3 1/2" x 14
1" x 2 1/2"	14	2" x 3" x 14
1" x 3"	14	2" x 4" x 14
1" x 3 1/2"	14	

### STEEL TUBING

#### Heavy Wall

HOT ROLLED PICKLED AND OILED  
20' TO 24' RANDOM LENGTHS

#### SQUARE

Outside Diam.	Wall	
2 1/2" x 2 1/2"	x 3/8"	5" x 5" x 3/8"
3" x 3"	x 3/16"	6" x 6" x 3/16"
3" x 3"	x 1/4"	6" x 6" x 1/4"
3 1/2" x 3 1/2"	x 3/16"	6" x 6" x 3/8"
3 1/2" x 3 1/2"	x 1/4"	7" x 7" x 3/16"
4" x 4"	x 3/16"	7" x 7" x 1/4"
4" x 4"	x 1/4"	7" x 7" x 3/8"
4" x 4"	x 3/8"	8" x 8" x 3/16"
5" x 5"	x 3/16"	8" x 8" x 1/4"
5" x 5"	x 1/4"	8" x 8" x 3/8"

#### RECTANGULAR

+	1 1/2" x 2 1/2" x .145"	
2"	x 3" x .180"	4" x 5" x 3/16"
2"	x 4" x .180"	4" x 5" x 1/4"
3"	x 4" x .180"	4" x 6" x 3/16"
3"	x 5" x .180"	4" x 6" x 1/4"
3"	x 5" x .180"	4" x 7" x 3/16"
3"	x 6" x .180"	4" x 7" x 1/4"
3"	x 6" x .180"	4" x 8" x 3/16"
3"	x 7" x .180"	4" x 8" x 1/4"
3"	x 7" x .180"	4" x 8" x 3/8"
3"	x 8" x .180"	4" x 8" x 1/4"

+ Not Rolled Only \* for Treillage Framing

### FORMED STEEL TUBING

\*Length 2 foot to 24 foot.

No extra charge for cutting to exact length.

Special Sizes on Request

This material is formed from hot rolled steel plate, fully welded with seams ground smooth

#### SQUARE

Outside Diam.	Wall	Outside Diam.	Wall
2 1/2" x 2 1/2"	x 3/8"	5" x 5" x 3/8"	
3" x 3"	x 3/16"	6" x 6" x 3/16"	
3" x 3"	x 1/4"	6" x 6" x 1/4"	
3 1/2" x 3 1/2"	x 3/16"	6" x 6" x 3/8"	
3 1/2" x 3 1/2"	x 1/4"	7" x 7" x 3/16"	
4" x 4"	x 3/16"	7" x 7" x 1/4"	
4" x 4"	x 1/4"	7" x 7" x 3/8"	
4" x 4"	x 3/8"	8" x 8" x 3/16"	
5" x 5"	x 3/16"	8" x 8" x 1/4"	
5" x 5"	x 1/4"	8" x 8" x 3/8"	

#### RECTANGULAR

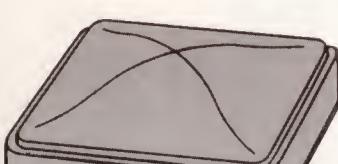
2"	x 3"	x 3/16"	4"	x 5"	x 3/16"
2"	x 3"	x 1/4"	4"	x 5"	x 1/4"
2"	x 4"	x 3/16"	4"	x 6"	x 3/16"
2"	x 4"	x 1/4"	4"	x 6"	x 1/4"
2"	x 4"	x 3/8"	4"	x 7"	x 3/16"
2"	x 5"	x 3/16"	4"	x 7"	x 1/4"
2"	x 5"	x 1/4"	4"	x 8"	x 3/16"
2"	x 6"	x 3/16"	4"	x 8"	x 1/4"
2"	x 6"	x 1/4"	5"	x 6"	x 3/16"
2"	x 7"	x 3/16"	5"	x 7"	x 3/16"
2"	x 7"	x 1/4"	6"	x 7"	x 1/4"
2"	x 8"	x 3/16"	6"	x 8"	x 3/16"
2"	x 8"	x 1/4"	6"	x 8"	x 1/4"

Special Tubing for Box Stringers on Stairs

10" x 2" x 3/16" • 12" x 2" x 3/16"

\*Lengths up to and including 12 ft. are formed in one piece. Lengths from 12 ft. to, and including, 24 ft. are formed from two tubes having an inside splice between the tubes.

### POST CAPS



TYPE "A"



TYPE "B"



TYPE "C"

#### TYPE "A" POST CAPS

CAST IRON — Round Inside Corners

##### SQUARE

1" x 1"	2 1/2" x 2 1/2"
1 1/4" x 1 1/4"	3" x 3"
1 1/2" x 1 1/2"	3 1/2" x 3 1/2"
2" x 2"	4" x 4"
	4 1/2" x 4 1/2"

##### RECTANGULAR

2" x 3"	3" x 6"
2" x 4"	3" x 8"
2" x 5"	4" x 6"
3" x 4"	4" x 8"
3" x 5"	4" x 8"
3" x 5 1/2"	4" x 12"

#### SQUARE INSIDE CORNERS

SQUARE: 2" x 2" • 3" x 3" • 4" x 4"

When ordering square sizes 2" x 2", 3" x 3" & 4" x 4" specify "Round Inside" or "Square Inside" Corners.

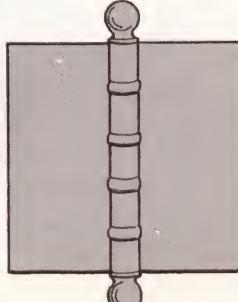
J.G. Braun Company

#### BALL BEARING

#### STEEL HINGES

6" x 5" x 3/16"

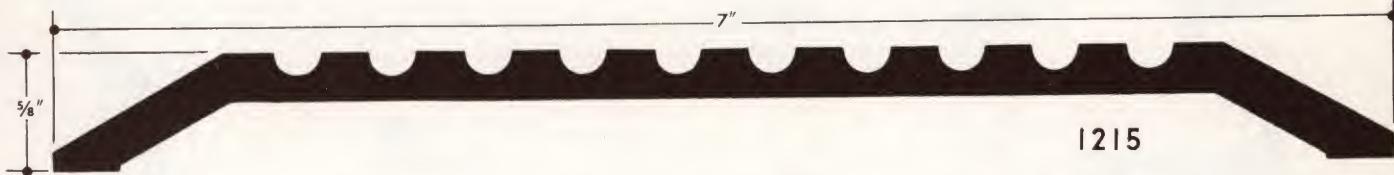
6" x 6" x 3/16"



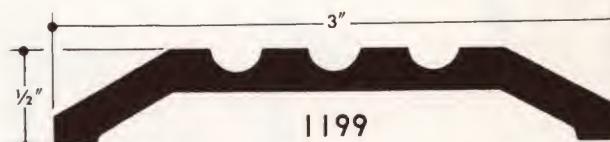
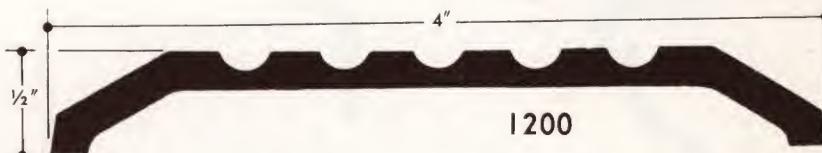
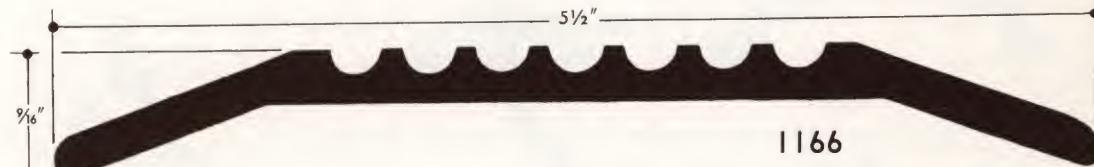
## THRESHOLDS

20 Ft. Random Lengths

Sturdy, yet attractive these basic entrance thresholds offer long usage at moderate cost.



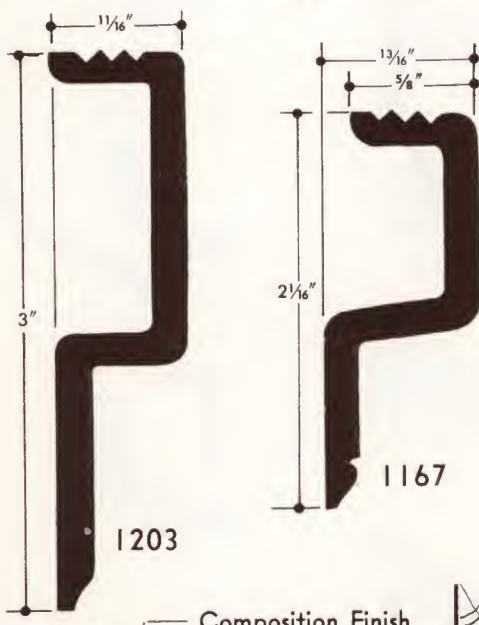
Can be furnished in cut to size lengths, drilled and counter-sunk.



## STEP NOSINGS

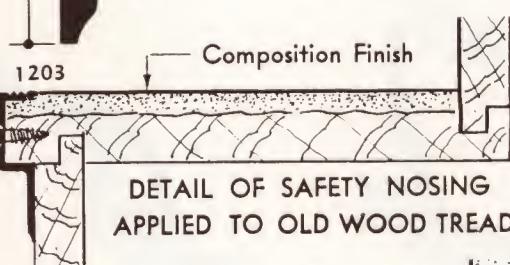
20 Foot Random Lengths

Steel step nosings provide easy installation for rugged long life

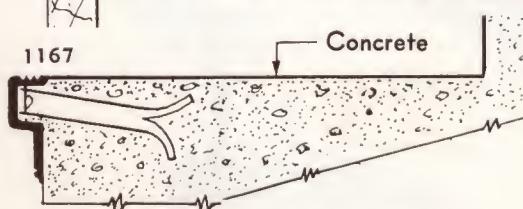


1203

1167



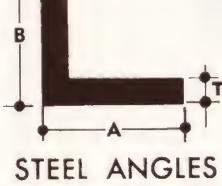
Composition Finish  
DETAIL OF SAFETY NOSING  
APPLIED TO OLD WOOD TREAD



Concrete  
DETAIL OF SAFETY NOSING  
APPLIED TO CONCRETE TREAD

## ANGLES AND CHANNELS

20 Foot Random Lengths



### STEEL ANGLES

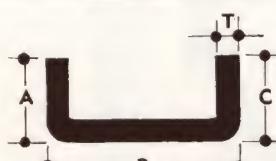
 Equal, Square Root  
HOT ROLLED

Number	A	B	T	Size	Weight Per Foot
972	1/2"	1/2"	1/8"	1/2" x 1/2" x 1/8"	.344
976	5/8"	5/8"	1/8"	5/8" x 5/8" x 1/8"	.474
979	3/4"	3/4"	1/8"	3/4" x 3/4" x 1/8"	.599
987	1"	1"	1/8"	1" x 1" x 1/8"	.787
992	1 1/4"	1 1/4"	1/8"	1 1/4" x 1 1/4" x 1/8"	.992
1157	1 1/2"	1 1/2"	1/8"	1 1/2" x 1 1/2" x 1/8"	1.225

### STEEL CHANNELS

 Unequal, Square Root  
HOT ROLLED

NO.	A	B	C	T	Size	Weight Per Foot
1089	1"	2"	1"	1/8"	1" x 2" x 1" x 1/8"	1.45



### STEEL CHANNELS

 Rounded Outside Corners  
Cold Rolled

Size	A	B	C	T
7/16" x 1" x 7/16" x 120"	7/16"	1"	7/16"	120"
9/16" x 1 1/4" x 9/16" x 1/8"	9/16"	1 1/4"	9/16"	1/8"
1/2" x 1 1/2" x 1/2" x 1/8"	1/2"	1 1/2"	1/2"	1/8"

### STEEL CHANNELS

 Equal, Square Root  
HOT ROLLED

Number	A	B	C	T	Size	Weight Per Foot
1061	1/2"	1/2"	1/2"	1/2"	1/2" x 1/2" x 1/2" x 1/2"	.382
1052	3/4"	3/4"	3/4"	3/4"	3/4" x 3/4" x 3/4" x 3/4"	0.720
1054	1"	1"	1"	1/8"	1" x 1" x 1" x 1/8"	1.200
1087	1 1/4"	1 1/4"	1 1/4"	1/8"	1 1/4" x 1 1/4" x 1 1/4" x 1/8"	1.477
1155	1 1/2"	1 1/2"	1 1/2"	1/8"	1 1/2" x 1 1/2" x 1 1/2" x 1/8"	1.70
1139	2"	2"	2"	5/32"	2" x 2" x 2" x 5/32"	2.888

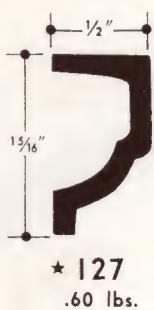
# ARCHITECTURAL STEEL MOULDINGS

## CORNICE MOULDINGS

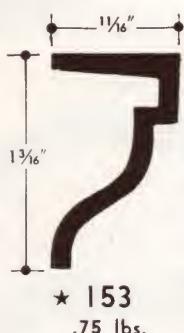
20 Foot Random Lengths

\* Items Marked with Asterisk (\*) Will Be Discontinued When Sold Out

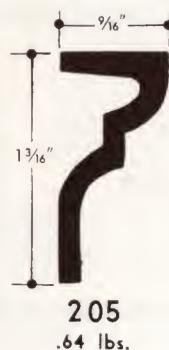
A wide selection of classic and modern steel cornice mouldings offer the possibility of wide choice and varied application. Economical, attractive, durable.



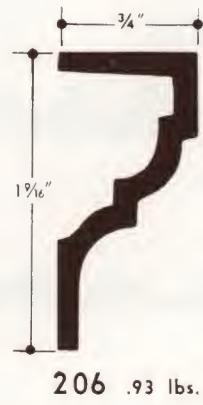
**\* 127**  
.60 lbs.



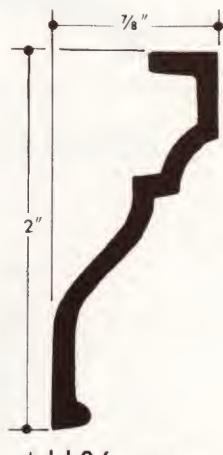
**\* 153**  
.75 lbs.



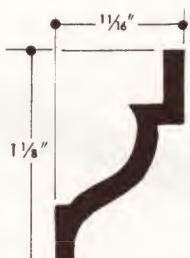
**205**  
.64 lbs.



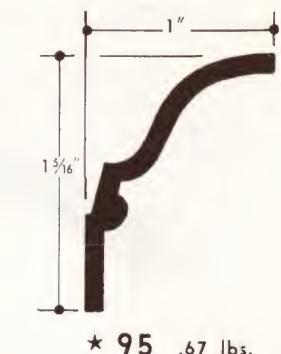
**206** .93 lbs.



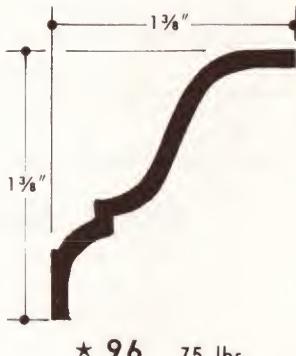
**\* 1186** 1.18 lbs.



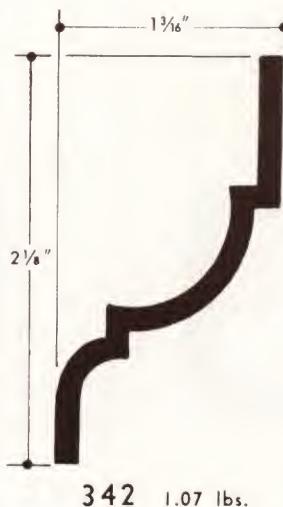
**100** .54 lbs.



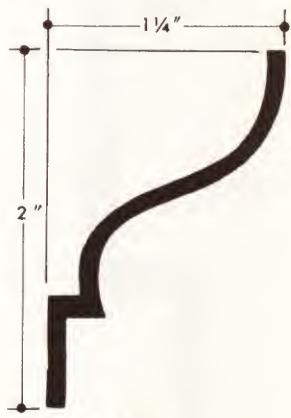
**\* 95** .67 lbs.



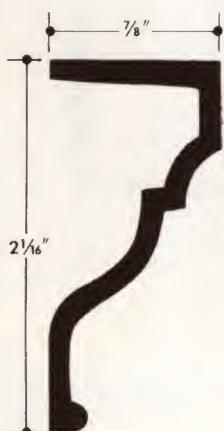
**\* 96** .75 lbs.



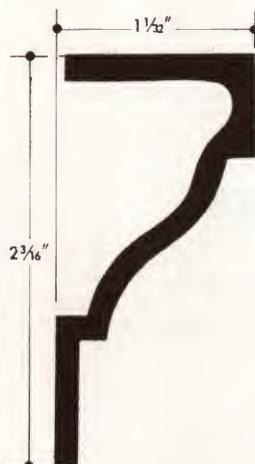
**342** 1.07 lbs.



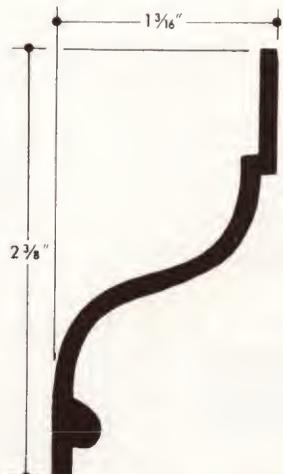
**101** .97 lbs.



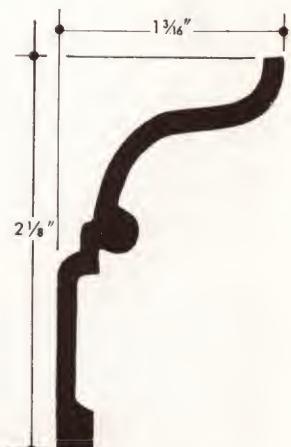
**207** 1.35 lbs.



**209** 1.33 lbs.



**114** 1.18 lbs.



**112** 1.21 lbs.

Weights and Measurements Approximate

**J.G. Braun Company**

Skokie, Ill.

EST 1887

New York, N. Y.

Illustrations Full Size

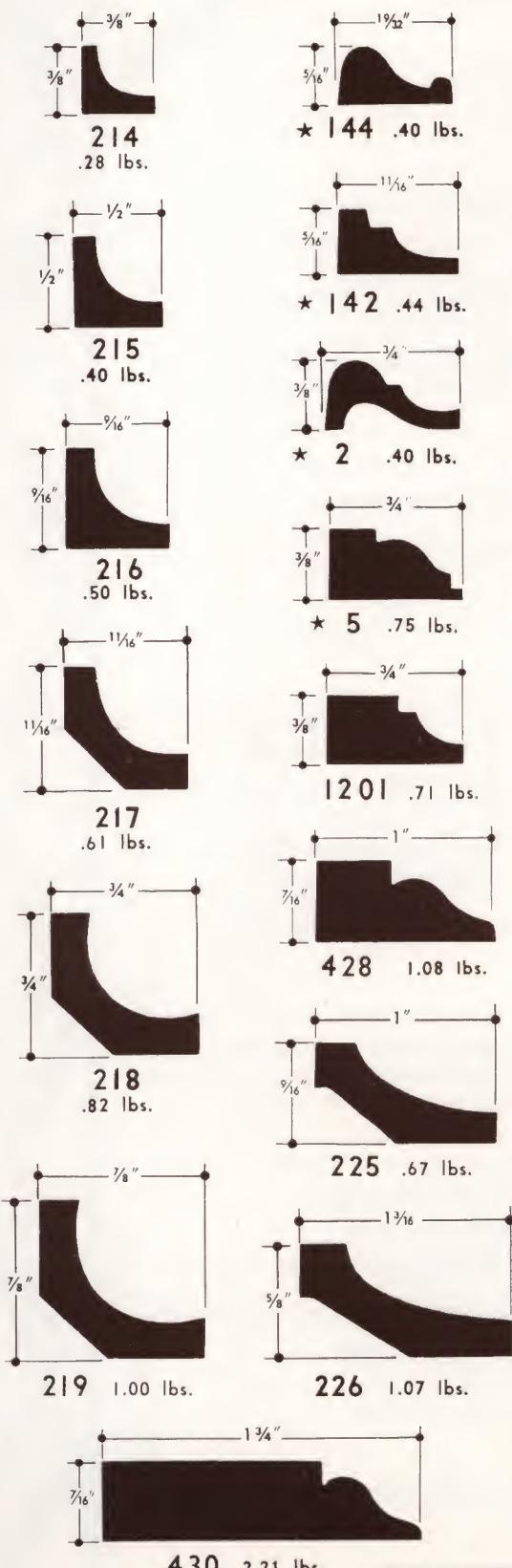
# ARCHITECTURAL STEEL MOULDINGS

\* Items Marked with Asterisk (\*) Discontinued When Sold Out

## COVE AND PANEL MOULDINGS

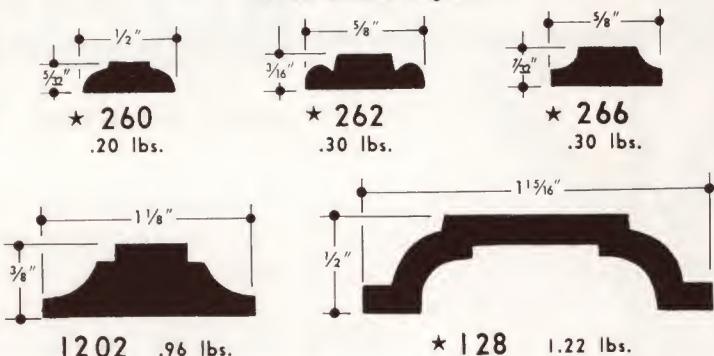
### GLASS STOP SECTIONS

20 Foot Random Lengths



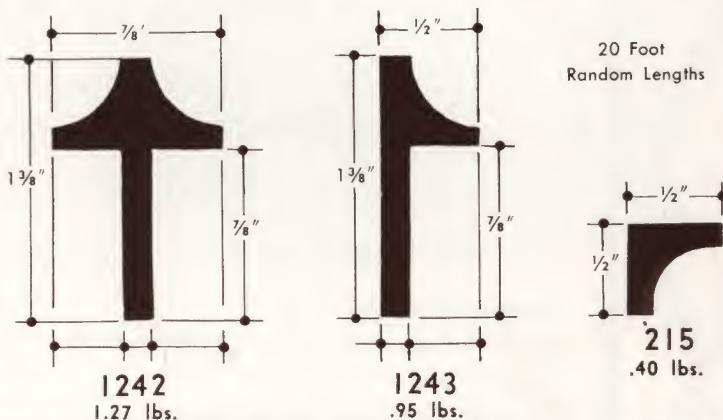
## ASTRAGALS AND FACINGS

20 Foot Random Lengths



## GLASS SECTIONS

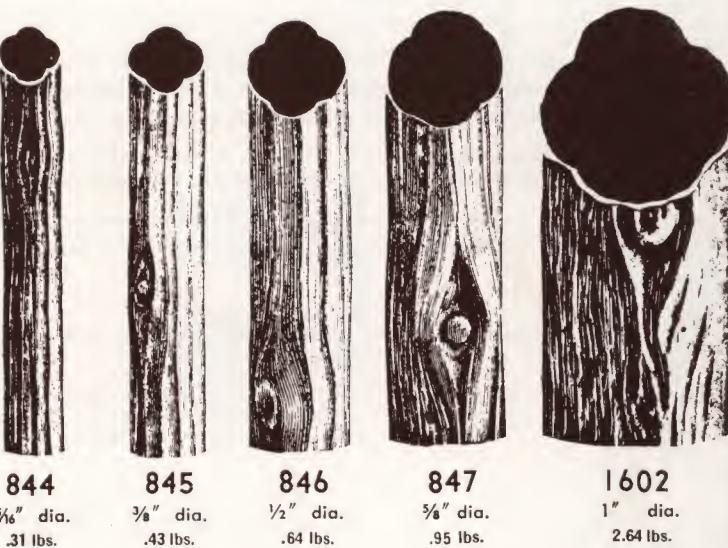
The standard for steel casements and glass sections, economical, attractive, enduring.



## ORNAMENTAL BARS

Wood Imitation 16 Ft. Length

In these sections the wood effect is splendidly reproduced. Their uses are manyfold. A few of them are suggested: For Baluster Rods, Columns, Scrollwork, Stems of Branches, Furniture, Fixtures, etc.



J.G. Braun & Company

Skokie, Ill.

EST. 1887

New York, N.Y.

Illustrations Full Size

Weights and Measurements Approximate

# BRAUN QUALITY TREILLAGE

## and Railing Castings

DOUBLE FACED REVERSIBLE  
MALLEABLE IRON

*New Designs in the traditional Form*

These ornamental designs and castings are considered the finest ever produced. They may be used in the most discriminating job, exactly as delivered by us on account of their fineness of finish.

There is no equal in design or quality to Braun Treillage,  
the Fabricators and Designers, alike, know and specify,

"BRAUN TREILLAGE . . . NO EQUAL"

*The reasons for this wide acceptance with quality fabricators are:*

Original in design	Easily welded
Customer acceptance and repeat business	Malleable Iron has a greater corrosive resistance than gray or cast iron
Supplied ready for installation	The finest Quality Ornamental casting made today
No filing, grinding or fitting are necessary	J. G. Braun Co. does no fabricating . . . we supply the fabricator
No breakage in shipment from warehouse to fabricator	
No costly breaks during fabrication	

All castings shown can also be furnished in Architectural Bronze or Aluminum on request.

### NOTE

The ornamental Casting Designs of Double Faced Castings and Treillage items shown in this catalog have been originated by the J. G. Braun Company and have been duly registered in the United States Copyright Office in the name of J. G. Braun Company and are the property of that Company.

Any reproduction of such copyrighted designs, whether by circular or by catalog or by three-dimensional articles, would clearly violate the rights of J. G. Braun Company under its said copyright property.

It is the inclination of the J. G. Braun Company that the industry respects the designs originated by it at great expense to it and it heretofore expects that these designs be respected.

J. G. BRAUN COMPANY

Write For Complimentary Copy of our ORNAMENTAL DESIGNS BOOK.  
This Contains Illustrations of Ornamental Work, Treillage, Railings, Fixtures, Furniture, etc. Request This Book On Company Letterhead.

*"Service is Our Best Salesman" Since 1887 . . . .*

**J.G. Braun & Company**

SUGGESTED APPLICATION



9998 Panel  
32 1/4" x 8 1/2"

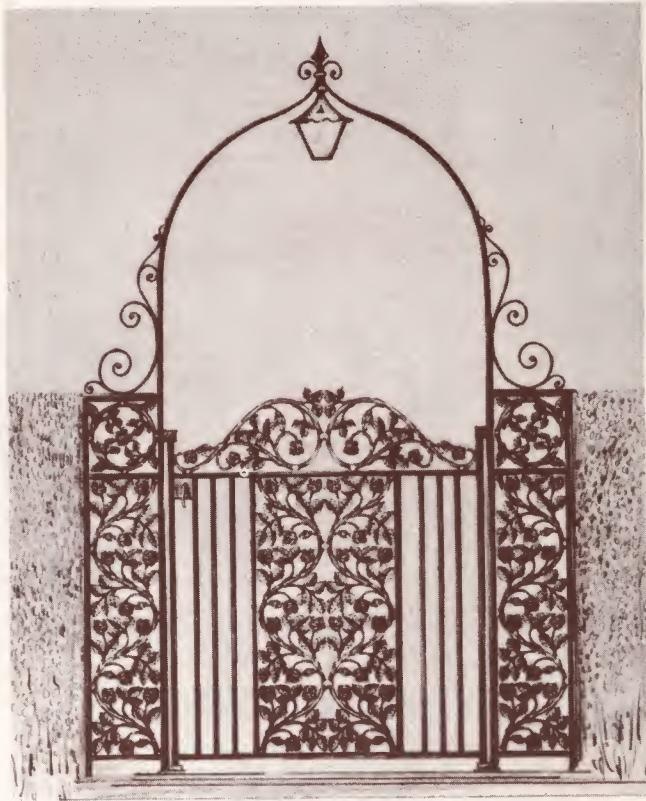


9999 Bracket  
10 1/4" x 13"

GRAPE LEAF DESIGN

**DOUBLE FACED  
REVERSIBLE  
MALLEABLE IRON**

- Original in design
- The finest Quality Ornamental casting made
- Supplied ready for installation
- No filing, grinding or fitting are necessary



GARDEN GATE OF ROSE DESIGN

*New Designs in the traditional Form*



9955 Panel  
32" x 8 1/4"



9956 Bracket  
9 1/2" x 18 1/4"



9957 Rosette  
8 1/4" x 8 1/4"

ROSE DESIGN



9960 Bracket  
14 1/4" x 18"



9961 Rosette  
8 1/2" x 8 1/2"

IVY DESIGN



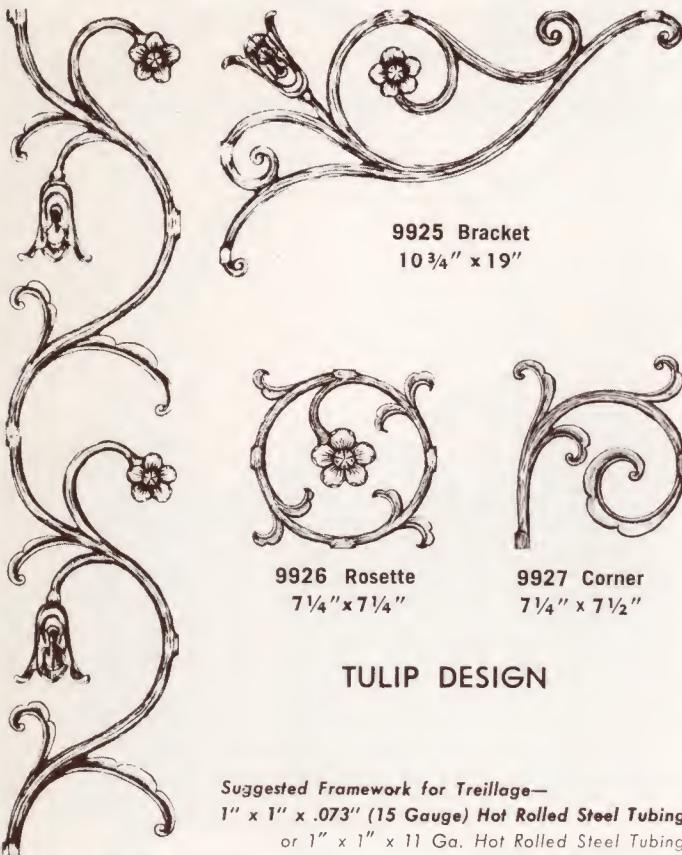
9959 Panel  
32 1/4" x 8 1/2"

SCALE - 1 1/2" - 1' - 0"

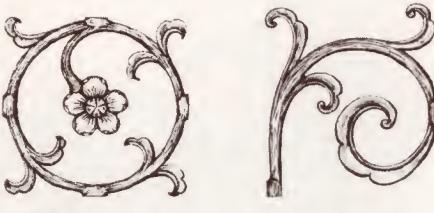
**J.G. Braun Company**

Measurements Approximate

# ARCHITECTURAL STEEL TREILLAGE ..... BRAUN QUALITY



9925 Bracket  
10  $\frac{3}{4}$ " x 19"



9926 Rosette  
7  $\frac{1}{4}$ " x 7  $\frac{1}{4}$ "

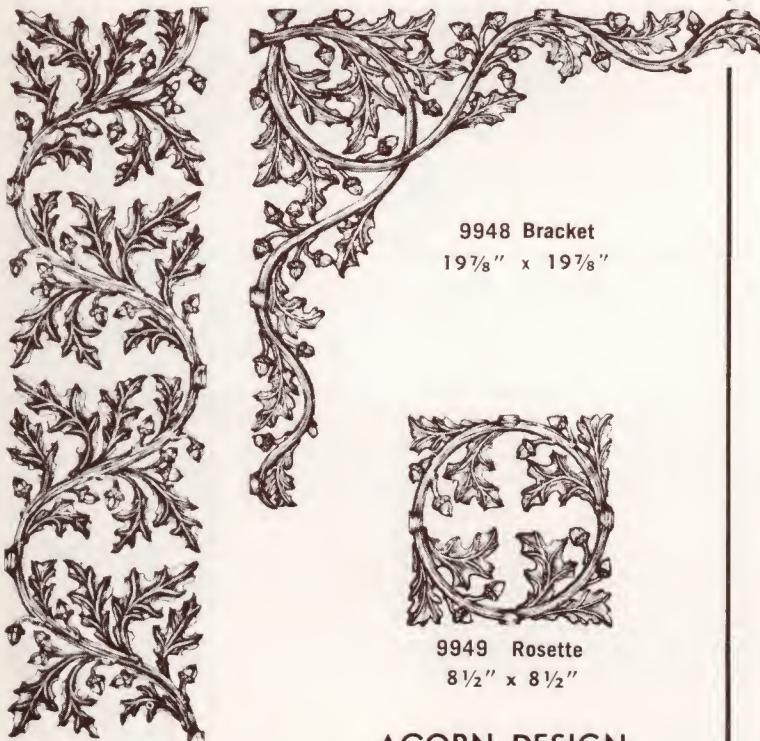
9927 Corner  
7  $\frac{1}{4}$ " x 7  $\frac{1}{2}$ "

## TULIP DESIGN

*Suggested Framework for Treillage—*  
1" x 1" x .073" (15 Gauge) Hot Rolled Steel Tubing  
or 1" x 1" x 11 Ga. Hot Rolled Steel Tubing  
20 Foot Lengths

9924 Panel  
34" x 7  $\frac{1}{4}$ "

*New Designs in the traditional Form*



9948 Bracket  
19  $\frac{7}{8}$ " x 19  $\frac{7}{8}$ "



9949 Rosette  
8  $\frac{1}{2}$ " x 8  $\frac{1}{2}$ "

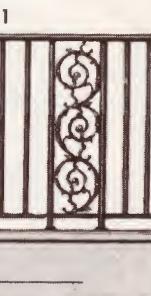
ACORN DESIGN  
Design Patent #D-178,760

9947 Panel  
31  $\frac{3}{4}$ " x 8  $\frac{1}{2}$ "

SCALE — 1  $\frac{1}{2}$ " = 1'-0"

J.G. Braun & Company

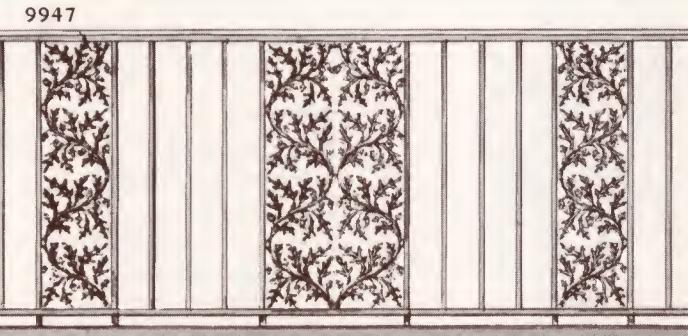
*Measurements Approximate*



9971

Baroness Design

## SUGGESTED APPLICATIONS



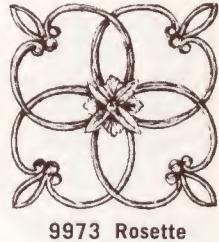
9947

Acorn Design



9972 Bracket  
16" x 16"

*Baroness Design*



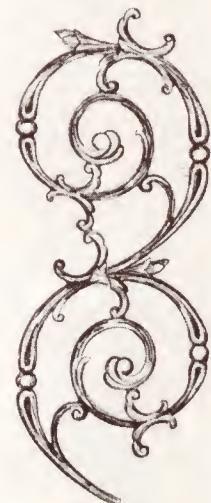
9973 Rosette  
7  $\frac{3}{4}$ " x 7  $\frac{3}{4}$ "

J. G. BRAUN COMPANY  
**SUPERIOR CASTINGS  
ARE THE RESULT OF —**

HAND CARVED ORIGINAL  
WOOD PATTERNS

CAST IN MOST MODERN  
EQUIPPED FOUNDRY

PRECISION ALUMINUM PLATE  
PATTERNS — HAND FINISHED  
TO THE FINEST DETAIL

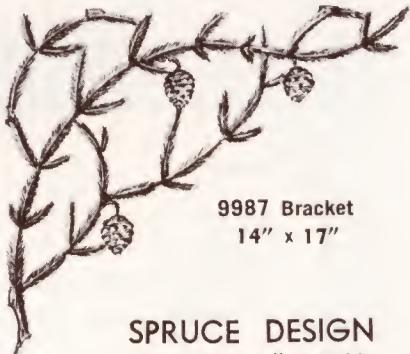


9971 Panel  
20" x 7  $\frac{3}{4}$ "

# ARCHITECTURAL STEEL TREILLAGE ..... BRAUN QUALITY



9986 Panel  
32" x 8"



9987 Bracket  
14" x 17"

## SPRUCE DESIGN

Design Patent # 185,123

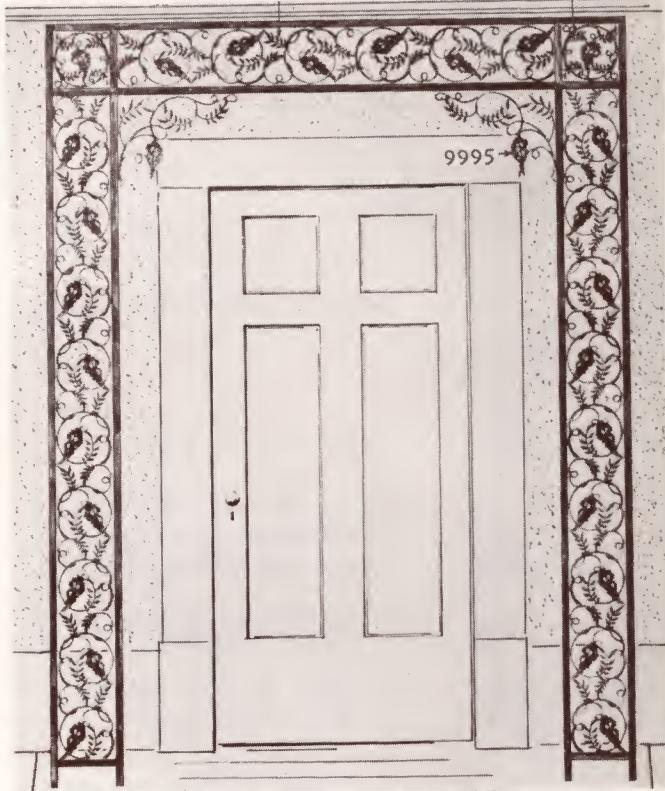
### DOUBLE FACED REVERSIBLE MALLEABLE IRON

- Original in design
- The finest Quality Ornamental casting made
- Supplied ready for installation
- No filing, grinding or fitting are necessary

## Wistaria Design

9994

9996



### SUGGESTED APPLICATION

Suggested Framework for Treillage— 1" x 1" x .073" (15 Gauge)  
or 1" x 1" x 11 Ga. Hot Rolled Steel Tubing 20 Foot Lengths

### New Designs in the traditional Form



9995 Bracket  
14" x 18"



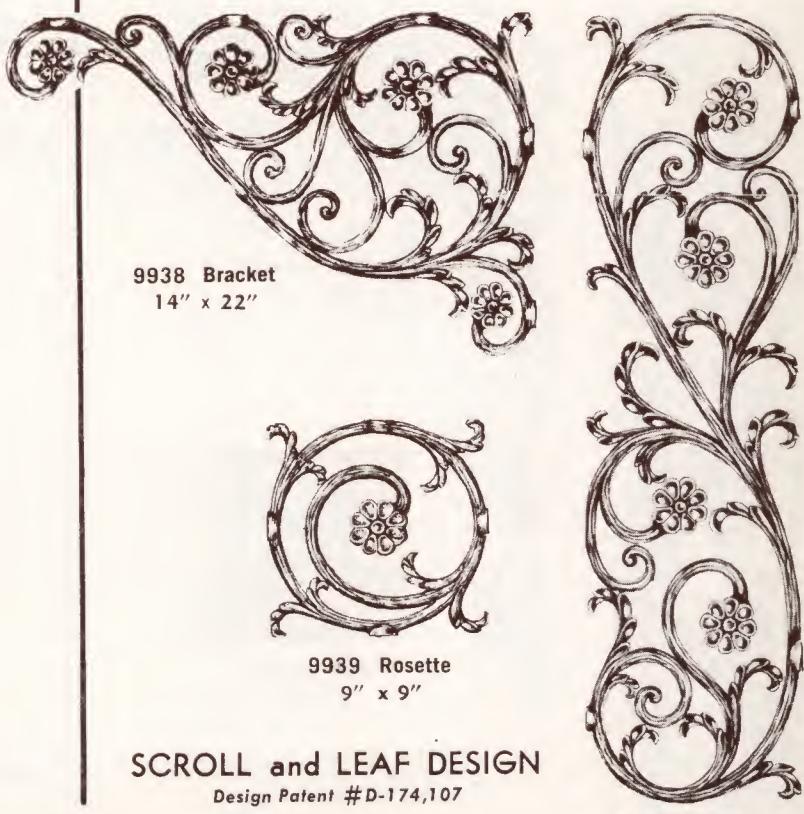
9994 Panel  
21 1/2" x 8 1/2"



9996 Rosette  
8 1/2" x 8 1/2"

### WISTARIA DESIGN

Design Patent # 188,623



9939 Rosette  
9" x 9"

### SCROLL and LEAF DESIGN

Design Patent # D-174,107

9937 Panel  
32" x 9"

SCALE—1 1/2" = 1'-0"

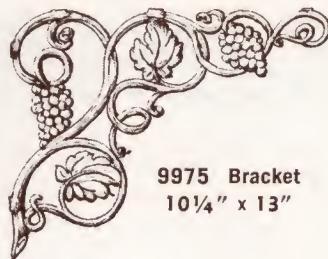
J.G. Braun & Company

Measurements Approximate

# ARCHITECTURAL STEEL TREILLAGE ..... BRAUN QUALITY



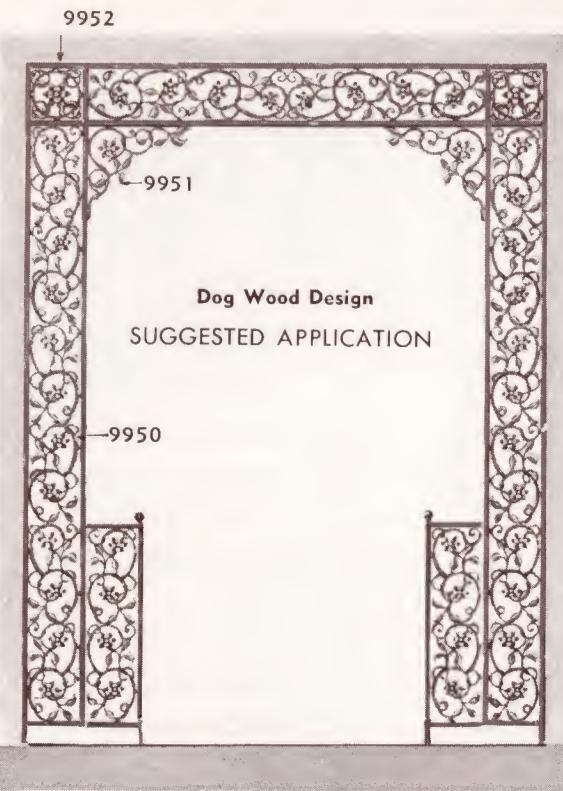
9974 Panel  
32 1/4" x 8 1/2"



9975 Bracket  
10 1/4" x 13"

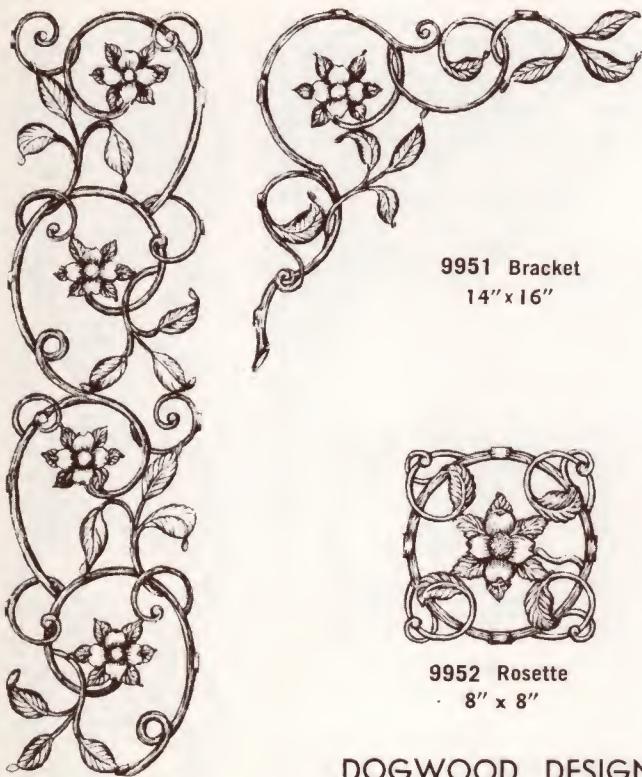
## GRAPE DESIGN (Light)

J. G. BRAUN COMPANY  
**SUPERIOR CASTINGS  
ARE THE RESULT OF —**  
 HAND CARVED ORIGINAL  
WOOD PATTERNS  
 CAST IN MOST MODERN  
EQUIPPED FOUNDRY  
 PRECISION ALUMINUM PLATE  
PATTERNS — HAND FINISHED  
TO THE FINEST DETAIL



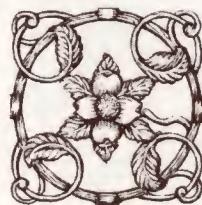
Suggested Framework for Treillage— 1" x 1" x .073" (15 Gauge)  
or 1" x 1" x 11 Ga. Hot Rolled Steel Tubing 20 Foot Lengths

*New Designs in the traditional Form*



9950 Panel  
32" x 8"

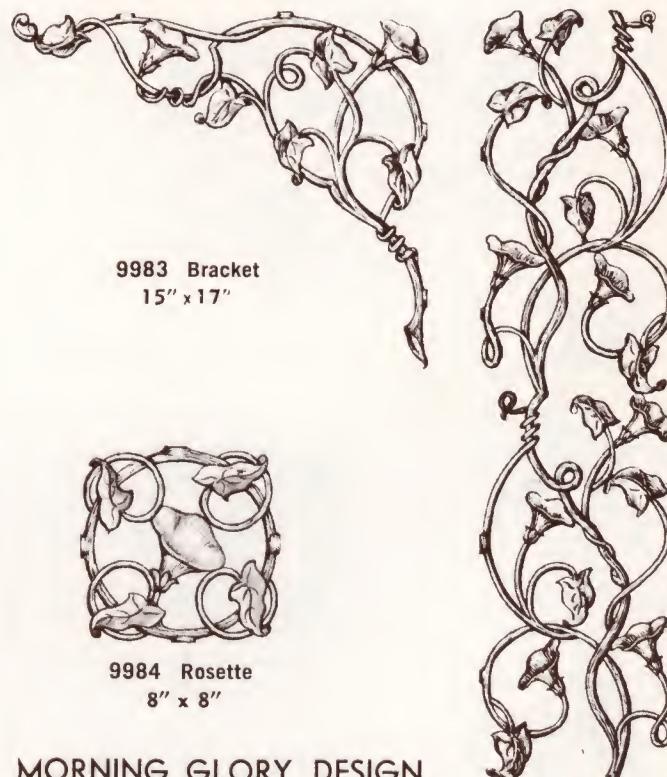
9951 Bracket  
14" x 16"



9952 Rosette  
8" x 8"

## DOGWOOD DESIGN

Design Patent #185,124



9984 Rosette  
8" x 8"

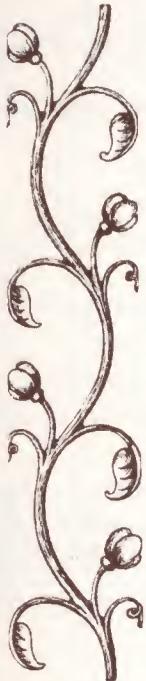
## MORNING GLORY DESIGN

Design Patent #185,122

9982 Panel  
32" x 8"



9919 Corner  
7 1/4" x 7 1/4"



9918 Panel  
28" x 5 1/2"  
Florette Design

*New Designs in the traditional Form*

Suggested Framework for Treillage— 1" x 1" x .073" (15 Gauge)  
or 1" x 1" x 11 Ga. Hot Rolled Steel Tubing 20 Foot Lengths



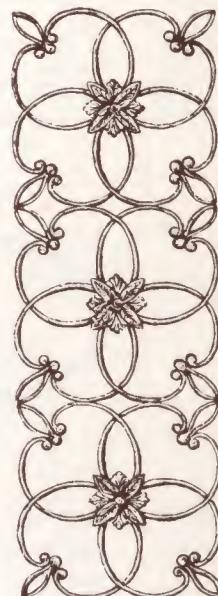
9968  
28" x 8 1/2"

AMERICAN BEAUTY DESIGN  
Design Patent # 185,125



9997  
28" x 8 1/2"  
SUNFLOWER DESIGN  
Design Patent # 184,707

**REVERSIBLE  
DOUBLE FACED  
MALLEABLE  
IRON**



9954  
23 1/4" x 7 3/4"  
Rosette Design



9980 Panel  
32" x 8"



9981  
Bracket  
19" x 11"

**MODERN LEAF  
DESIGN**

Design Patent # 185,121

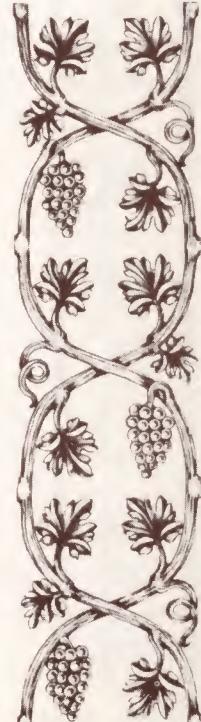


9904 Bracket  
23 1/2" x 25"



9905 Rosette  
8 1/2" x 8 1/2"

**GRAPE DESIGN**



9903 Panel  
31 1/4" x 8 1/2"

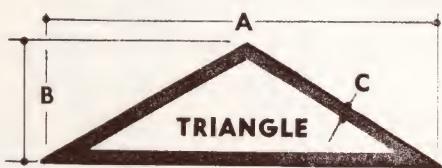
SCALE—1 1/2" = 1'-0"

**J.G. Braun Company**

Measurements Approximate

# ARCHITECTURAL STEEL ..... TREILLAGE OR RAILING CASTINGS

THICKNESS OF ALL ORNAMENTS 7/32"



NUMBER	DIMENSIONS		
	A	B	C
1800 — Large Triangle	17"	4 1/8"	7/16"
1801 — Medium Triangle	11 1/2"	3 5/8"	7/16"
1802 — Small Triangle	7 1/2"	2 3/16"	7/16"

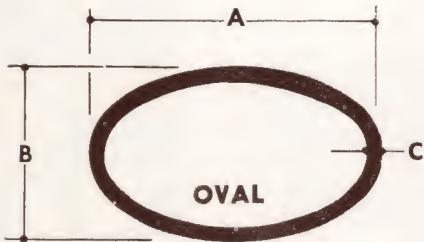


## 1800 SERIES • MODERN DESIGN

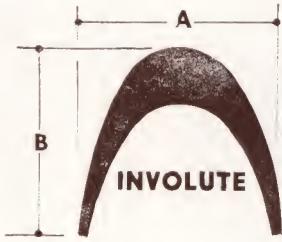
### CAST IRON

SPECIFY METAL WHEN ORDERING  
Available In Aluminum and Architectural  
Bronze as well as Cast Iron.

*Recommended for ...  
Simplicity of Design  
... with the modern  
touch.*



NUMBER	DIMENSIONS		
	A	B	C
1803 — Large Oval	12"	7"	7/16"
1804 — Medium Oval	9"	5 1/4"	7/16"
1805 — Small Oval	6"	3 1/2"	7/16"



NUMBER	DIMENSIONS	
	A	B
1809 — Large Involute	8 1/2"	8 1/2"
1810 — Medium Involute	6"	6"
1811 — Small Involute	4"	4"

Ornaments are arranged to form a continuous design and welded to frame bars. They can be overlapped for three-dimensional effect.

.... Unlimited varieties of treillage and railing designs

ORNAMENTS ARE ALSO PRACTICAL FOR FABRICATING NOVELTIES, FURNITURE, FIXTURES, GRILLS, GATES.  
.... OF MODERN DESIGN.

## ILLUSTRATIONS SHOW CASTINGS APPLIED TO DESIGNS

SIMPLE OR INTRICATE  
DESIGNS CAN BE  
PRODUCED



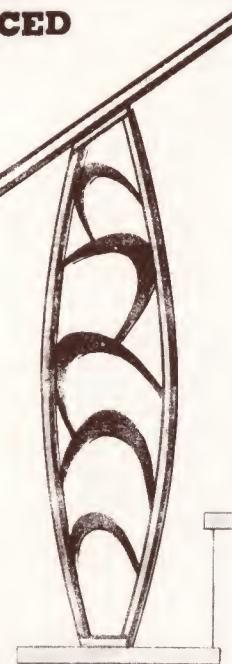
SUGGESTED DESIGN



SUGGESTED DESIGN



SUGGESTED DESIGN



SUGGESTED DESIGN



SUGGESTED DESIGN



SUGGESTED DESIGN

J.G. Braun & Company

Skokie, Ill.

EST. 1887

New York, N. Y.

Measurements Approximate

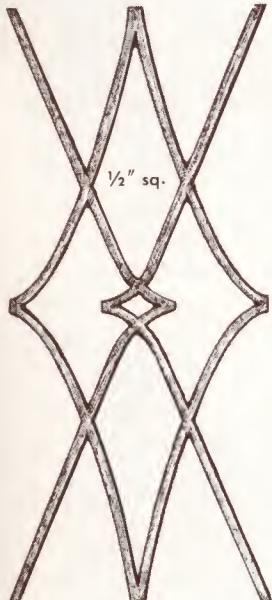
# ARCHITECTURAL STEEL RAILING CASTINGS

## RAILING PANELS

Made from precision match-plate patterns and can be used in the most discriminating job.

SCALE —  $1\frac{1}{2}$ " = 1'-0"

**DOUBLE FACED  
REVERSIBLE  
MALLEABLE IRON**



9913  
 $24\frac{1}{2}$ " x  $10\frac{1}{2}$ "

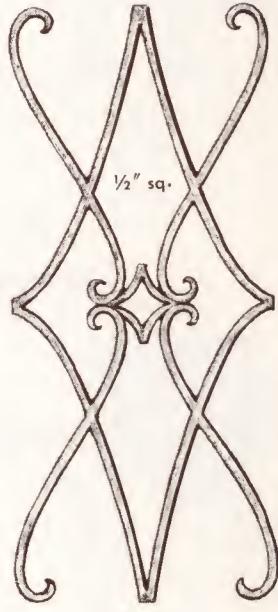


9958  
 $28$ " x  $11$ "

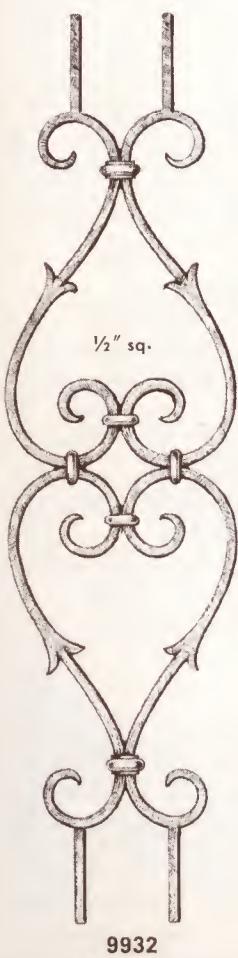


9963  
 $28$ " x  $11$ "

All castings shown can be furnished in Architectural Bronze or in Aluminum on request.



9912  
 $24\frac{1}{2}$ " x  $10\frac{1}{2}$ "



9932  
 $37$ " x  $9\frac{1}{2}$ "

**"WELD-IN" ORNAMENTS FOR BALUSTER BARS**  
DOUBLE FACED, REVERSIBLE MALLEABLE IRON

$\frac{1}{2}$ " sq.—

Ends of ornaments are chamfered for easy welding

Designed For Making Baluster Bars By Welding Short Pieces Of Bar To Center Ornament.

 9916 Height $9\frac{1}{4}$ " Width 5"	 9917 Height $11\frac{5}{8}$ " Width $4\frac{1}{2}$ "	 9953 Height $14\frac{1}{2}$ " Width $7\frac{3}{4}$ "	 9914 Height 10' Width $7\frac{1}{8}$ "	 9915 Height $10\frac{7}{8}$ " Width 6"	 9933 $33$ " x $8\frac{1}{2}$ "
---	--	--	--	--	---------------------------------------

J.G. Braun & Company

Skokie, Ill.

EST. 1887

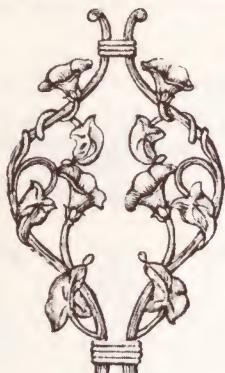
New York, N.Y.

Measurements Approximate

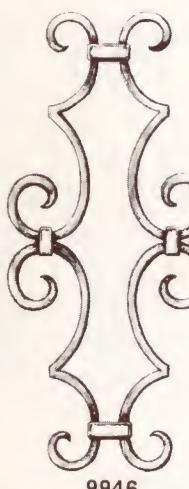
## SLIP-ON BALUSTER ORNAMENTS

Easy to apply, durable and inexpensive  
for  $\frac{1}{2}$ " square bars unless otherwise specified

All castings shown on  
this page can also be fur-  
nished in Architectural  
Bronze or Aluminum on  
request.



9985  
 $16\frac{3}{4}'' \times 8\frac{1}{2}''$



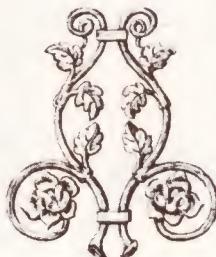
9946

For  $\frac{1}{2}$ " Sq.  $18'' \times 8\frac{1}{4}''$   
For  $\frac{5}{8}$ " Sq.  $18'' \times 8\frac{3}{8}''$

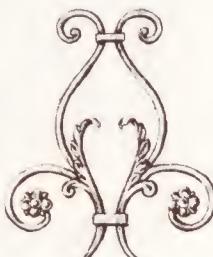
SPECIFY  $\frac{1}{2}$ " OR  $\frac{5}{8}$ "  
WHEN ORDERING



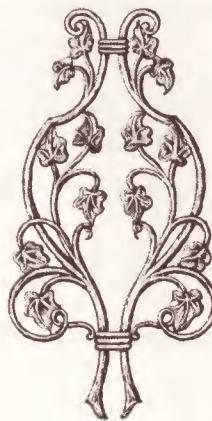
9929  
 $10\frac{1}{4}'' \times 8\frac{1}{2}''$



9964  
 $10\frac{1}{2}'' \times 8\frac{1}{2}''$



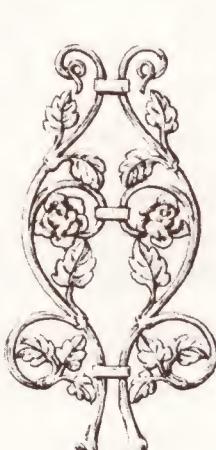
9966  
 $10\frac{1}{2}'' \times 8\frac{1}{2}''$



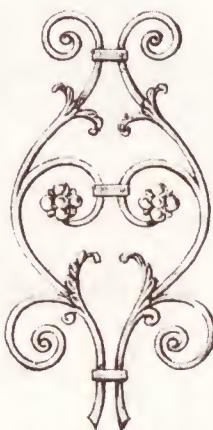
9962  
 $16\frac{3}{4}'' \times 8\frac{1}{2}''$



9928  
 $16'' \times 8\frac{3}{8}''$



9965  
 $16\frac{3}{4}'' \times 8\frac{1}{2}''$



9967  
 $16\frac{3}{4}'' \times 8\frac{1}{2}''$



9945  
 $16\frac{3}{4}'' \times 8\frac{1}{2}''$



9943  
 $8'' \times 3''$

for  $\frac{1}{2}$ " and  $\frac{5}{8}$ " square bars

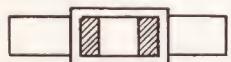
SPECIFY  $\frac{1}{2}$ " OR  $\frac{5}{8}$ "  
WHEN ORDERING



9942  
 $4\frac{1}{8}'' \times 3''$

for  $\frac{1}{2}$ " and  $\frac{5}{8}$ " square bars

SPECIFY  $\frac{1}{2}$ " OR  $\frac{5}{8}$ "  
WHEN ORDERING



SECTION showing slip-on  
band of Ornments Nos.  
9942 and 9943



SECTION showing slip-on  
band of Ornments Nos.  
9928, 9929, 9945, 9946,  
9962, 9964, 9965, 9966  
9967 and 9985

**QUATREFOILS**

DIAMETER

8316 $4\frac{3}{8}''$ Diam.	8317 $4\frac{1}{8}''$ Diam.	8318 $5\frac{1}{8}''$ Diam.
--------------------------------	--------------------------------	--------------------------------

**RAILING ORNAMENT**

9944       $6'' \times 14''$

### J. G. BRAUN COMPANY

**SUPERIOR CASTINGS  
ARE THE RESULT OF —**

HAND CARVED ORIGINAL  
WOOD PATTERNS

CAST IN MOST MODERN  
EQUIPPED FOUNDRY

PRECISION ALUMINUM PLATE  
PATTERNS — HAND FINISHED  
TO THE FINEST DETAIL

- Original in design
- The finest Quality Ornamental castings made today
- Supplied ready for installation
- No filing, grinding or fitting are necessary
- Malleable iron has greater corrosive resistance than gray or cast iron.

SCALE —  $1\frac{1}{2}'' = 1'-0''$   
Measurements Approximate

**J.G. Braun Company**

Skokie, Ill.

EST. 1887

New York, N. Y.

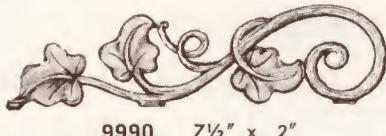
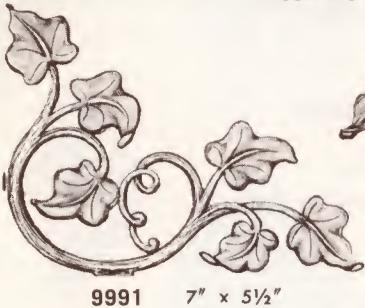
# ARCHITECTURAL STEEL ORNAMENTS

SPECIFY METAL WHEN ORDERING, Available In Aluminum and Architectural Bronze as well as Cast Iron.

## BRAUN HANDY SCROLLS

CAST MALLEABLE IRON  
DOUBLE FACED, REVERSIBLE

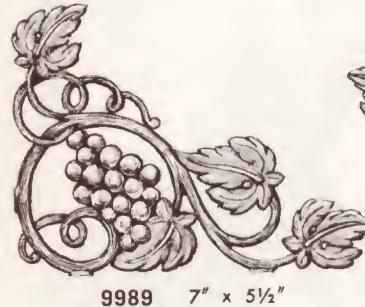
These scrolls may be used for interior or exterior decorations  
SCALE 3" — 1'-0"



*Ivy Design*



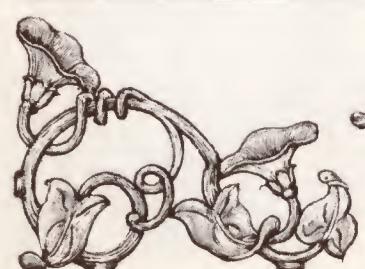
*Rose Design*



*Grape Design*



*Acorn Design*



*Morning Glory*

Measurements Approximate

J.G. Braun Company

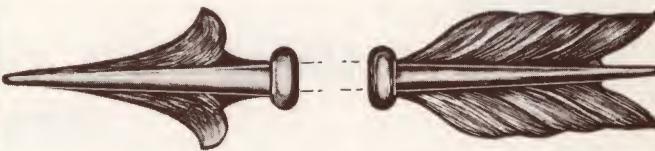
Skokie, Ill.

EST. 1887

New York, N.Y.

## ARROWS AND FEATHERS

MALLEABLE IRON — DOUBLE FACED, REVERSIBLE



FOR ROUND RODS to 1/2" DIAMETER	No. 8800 ARROW Length 4 1/2" Width 2"	No. 8801 FEATHER Length 4 1/2" Width 2"
FOR ROUND RODS to 3/4" DIAMETER	No. 8802 ARROW Length 6" Width 3"	No. 8803 FEATHER Length 6" Width 3"

## ROSETTES

CAST IRON Single Faced



No. 2538 2" Diam.  
No. 2537 2 1/2" Diam.  
No. 2536 3" Diam.  
No. 2535 3 1/2" Diam.

## SUGGESTED APPLICATIONS



## BRAUN HANDY SCROLLS\*

\* COPYRIGHTED

STAMPED STEEL OR STAMPED ALUMINUM  
SINGLE FACED

No. 16 GAUGE EITHER METAL



SPECIFY MATERIAL WHEN ORDERING

These scrolls may be used for interior or exterior decorations such as:

GRILLS, FURNITURE, SIGNS, FIXTURES, MIRRORS, CORNERS, BORDERS, CRESTINGS,  
CORNERS FOR SCREENS, DOORS, BOOKCASES, etc.*Rose Design*2509 5" x 2"  
RIGHT Hand  
Steel only2510 5" x 2"  
LEFT Hand  
Steel only2501 7½" x 2"  
LEFT Hand2502 7½" x 2"  
RIGHT Hand

2503 7" x 5½" LEFT hand



2504 7" x 5½" RIGHT hand

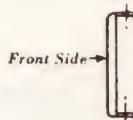
*Ivy Design*2505 7½" x 2"  
LEFT Hand2506 7½" x 2"  
RIGHT Hand

2507 7" x 5½" LEFT Hand

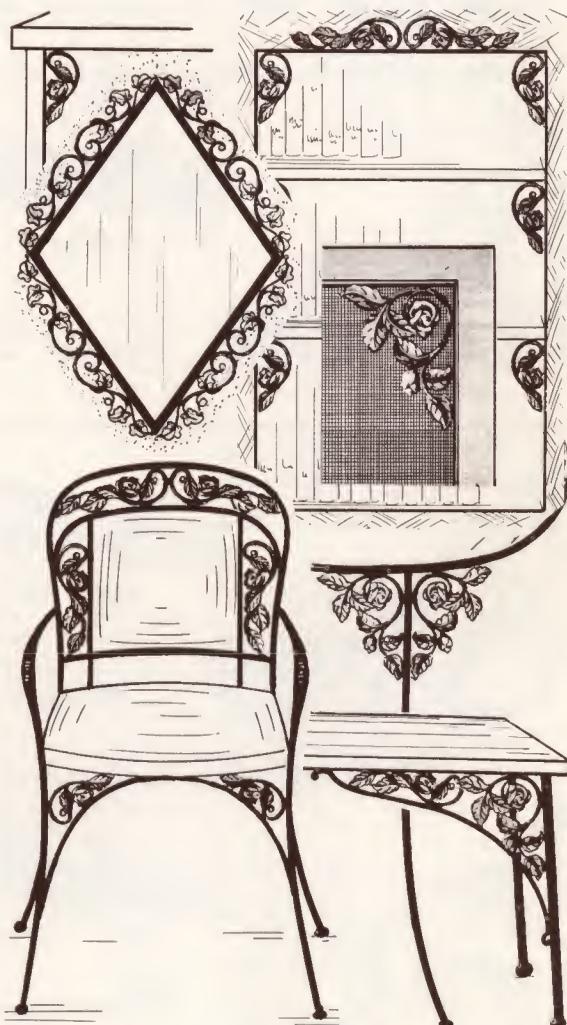


2508 7" x 5½" RIGHT Hand

## METHODS OF FASTENING

All Handy Scrolls are  
Furnished with  $\frac{3}{8}'' \times \frac{3}{8}''$   
Tabs for Fastening  
with Screws or Spot  
Welding

## SUGGESTED APPLICATIONS





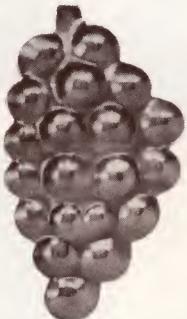
5463 22 Ga.  
5541 16 Ga.



5464 22 Ga.  
5542 16 Ga.



5461 22 Ga.  
5531 16 Ga.



5462 22 Ga.  
5532 16 Ga.

A wide assortment of ornamental leaves offers a multiple choice of design for furniture, fixtures and novelties of all kinds. Stamped from cold rolled steel sheet that will allow brass or chrome plating.

FOR COMPLETE SELECTION OF OVER 400 Different STEEL STAMPINGS SEND FOR CATALOG NO. 35

Most leaves are available in heavy (16 ga.) thickness for exterior application.

When gauge of metal is not shown the thickness of the material is generally 22 to 24 gauge.



5477 22 Ga.  
5551 16 Ga.

**Illustrations**  
**HALF**  
**FULL SIZE**



5459 22 Ga.  
5529 16 Ga.



5429-L 22 Ga.  
5429-H 16 Ga.



5401



5373 L



5375 R



5496 22 Ga. • 5576 16 Ga.



1543 L 22 Ga.  
1543 H 16 Ga.



5424 24 Ga.  
5562 16 Ga.



5484 22 Ga.  
5557 16 Ga.



5497 22 Ga. • 5577 16 Ga.



5480 22 Ga.  
5553 16 Ga.



5423 24 Ga.  
5563 16 Ga.

5485 22 Ga.  
5558 16 Ga.

5523 22 Ga.  
5524 16 Ga.



5414 22 Ga.  
5510 16 Ga.



5498 22 Ga. • 5578 16 Ga.



5416 22 Ga.  
5512 16 Ga.

SCALE —  
HALF FULL SIZE

SCALE —  
HALF FULL SIZE

**J.G. Braun Company**



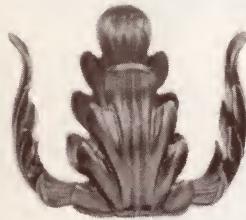
1548



1530



1508



5499



5520



5521

Scale  
Half Full  
Size

5420

Scale  
Half Full  
Size

5473



5522



5475



5474

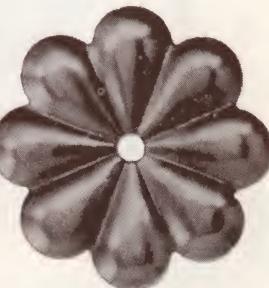


5476



5489

262 22 Ga. • 5566 16 Ga.

213 22 Ga.  
5567 16 Ga.0381 22 Ga.  
5568 16 Ga.

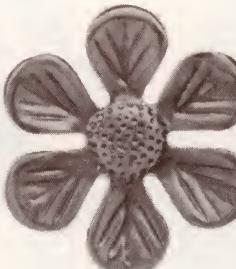
1490



1536



5490

5479 22 Ga.  
5569 16 Ga.

## CRIMPED BORDER PAN SERIES — 22 GA. • SCALE — HALF FULL SIZE

No. 5379  
6 $\frac{1}{4}$ " Overall Dia.  
3 $\frac{1}{2}$ " Inside Dia.  
1" High

No. 5380  
5 $\frac{3}{4}$ " Overall Dia.  
3 $\frac{3}{8}$ " Inside Dia.  
1" High

No. 5381  
5" Overall Dia.  
3 $\frac{1}{2}$ " Inside Dia.  
 $\frac{7}{8}$ " High

No. 5382  
4 $\frac{1}{2}$ " Overall Dia.  
3" Inside Dia.  
 $\frac{3}{4}$ " High

No. 5383  
4" Overall Dia.  
2 $\frac{1}{2}$ " Inside Dia.  
 $\frac{5}{8}$ " High

No. 5362  
3 $\frac{1}{2}$ " Overall Dia.  
2 $\frac{3}{8}$ " Inside Dia.  
 $\frac{1}{2}$ " High

Illustrations 1/2 FULL SIZE

J.G. Braun Company

Measurements Approximate

**Illustrations**  
HALF  
FULL SIZE



5440 22 Ga.  
5580 16 Ga.



5441 22 Ga.  
5581 16 Ga.



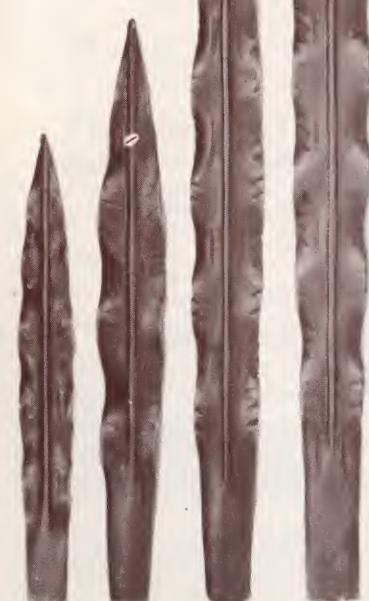
5486 22 Ga.  
5559 16 Ga.



5487 22 Ga.  
5560 16 Ga.



5488 22 Ga.  
5561 16 Ga.



1479 1480 1482 1484



5444



5445

5481 22 Ga.  
5554 16 Ga.



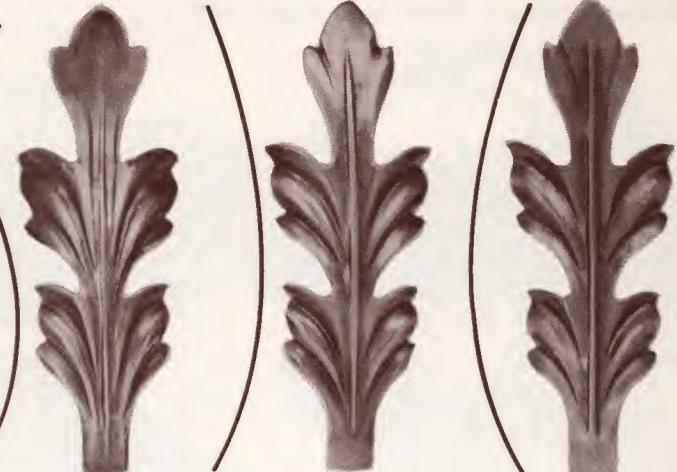
5482 22 Ga.  
5555 16 Ga.

5483 22 Ga.  
5556 16 Ga.



1504

1503



1272 22 Ga.  
5573 16 Ga.

5495 22 Ga.  
5575 16 Ga.

1385 22 Ga.  
5574 16 Ga.

**Illustrations**  
HALF  
FULL SIZE



1242



1135



J.G. Braun & Company



EST. 1887

SCALE — HALF FULL SIZE

Skokie, Ill.

EST. 1887

New York, N.Y.

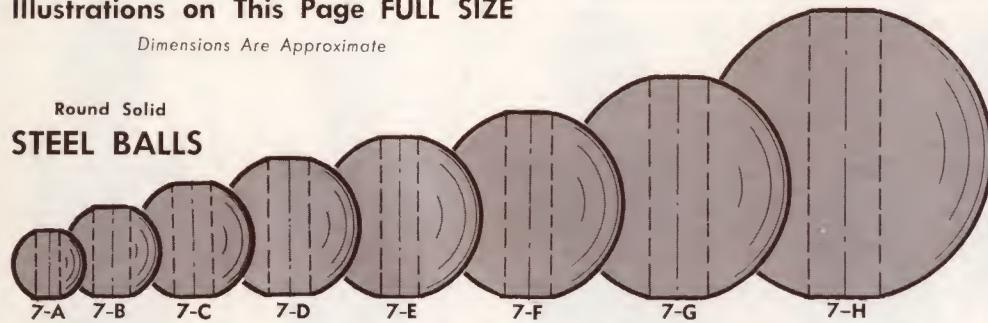
# ARCHITECTURAL STEEL .... BALLS • BASES OR CUPS • RINGS

Illustrations on This Page FULL SIZE

Dimensions Are Approximate

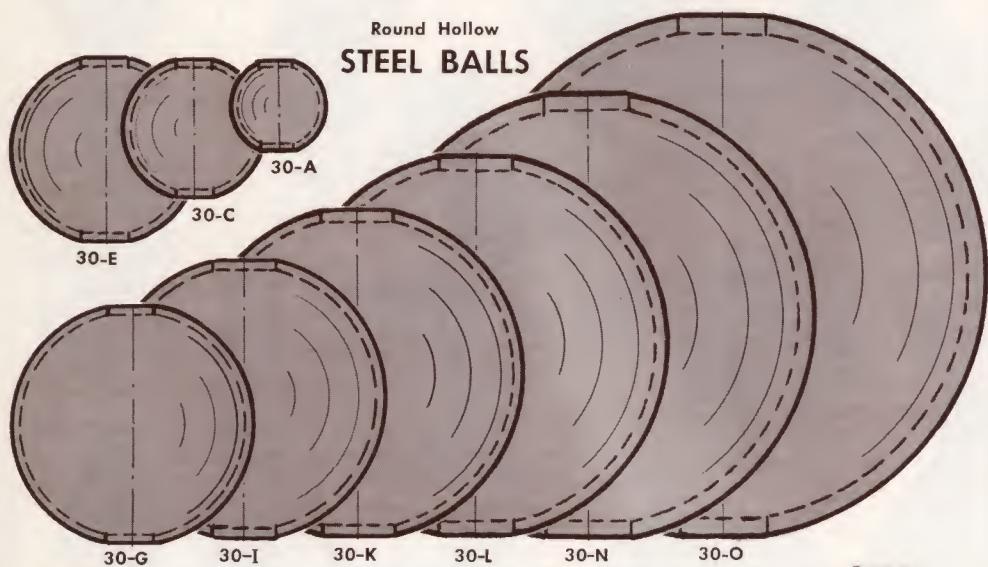
Round Solid

## STEEL BALLS



Round Hollow

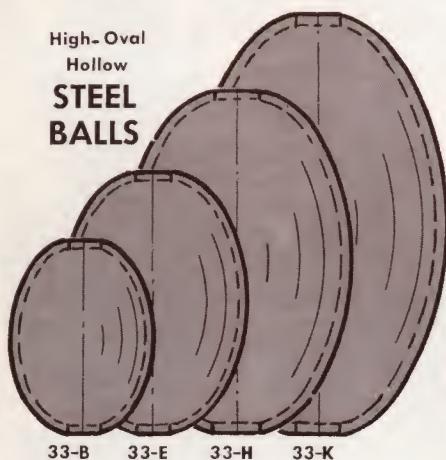
## STEEL BALLS



High-Oval

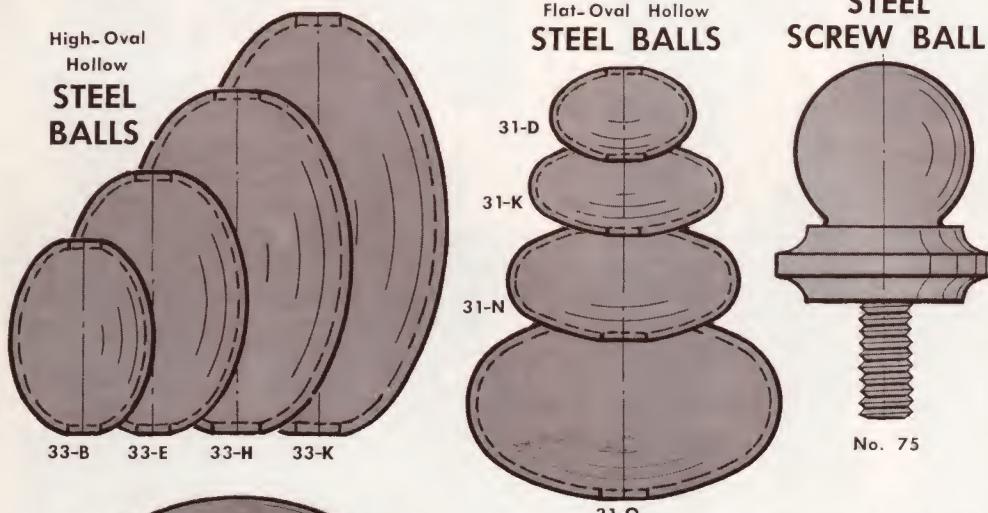
Hollow

## STEEL BALLS

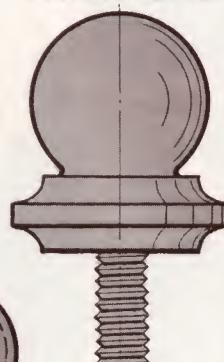


Flat-Oval Hollow

## STEEL BALLS



## STEEL SCREW BALL



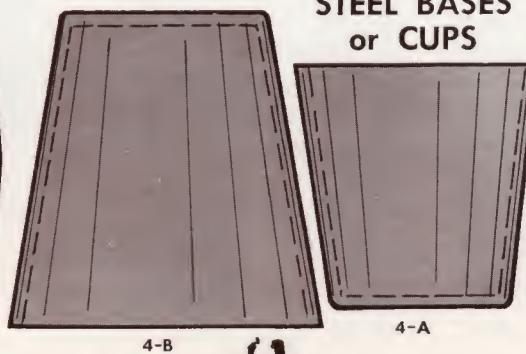
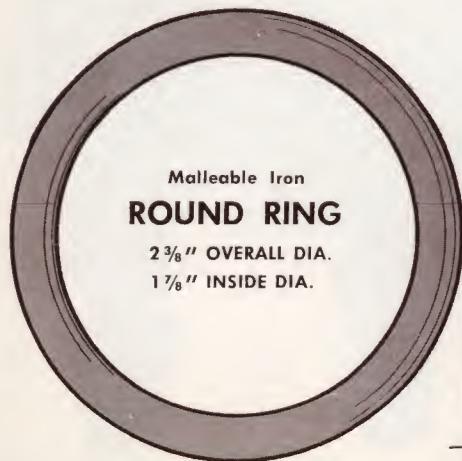
No. 75

Malleable Iron

## ROUND RING

2 3/8" OVERALL DIA.

1 7/8" INSIDE DIA.



Round Solid

## STEEL BALLS

Number	(Old Number)	Dia.	Hole
7-A	(5)	3/8"	3/16"
7-B	(4)	1/2"	7/32"
7-C	(3)	5/8"	7/32"
7-D	(2)	3/4"	7/32"
7-E	(1)	7/8"	7/32"
7-F	(1/0)	1"	1/4"
7-G	(3/0)	1 1/4"	5/16"
7-H	(5/0)	1 1/2"	1 1/32"

Round Hollow

## STEEL BALLS

Number	(Old Number)	Dia.	Hole
30-A	—	1/2"	3/16"
30-C	—	3/4"	3/16"
30-E	—	1"	1/4"
30-G	—	1 1/4"	1/4"
30-I	(5/0)	1 1/2"	5/16"
30-K	(50)	1 3/4"	3/8"
30-L	(51)	2"	3/8"
30-N	—	2 2/8"	7/16"
30-O	(54)	2 2/4"	7/16"

High-Oval Hollow

## STEEL BALLS

Number	Height	Width	Hole
33-B	1"	3/4"	3/16"
33-E	1 1/8"	1"	3/16"
33-H	1 13/16"	1 3/16"	1/4"
33-K	2 3/16"	1 3/8"	1/4"

Flat-Oval Hollow

## STEEL BALLS

Number	Width	Height	Hole
31-D	3/4"	1/2"	3/16"
31-K	1"	1/2"	3/16"
31-N	1 3/16"	5/8"	1/4"
31-Q	1 5/8"	1"	1/4"

## STEEL SCREW BALL

No. 75 - SIZE AS ILLUSTRATED

Heavy Duty • Cone Shape

## STEEL BASES or CUPS

Number	Outside Diameter	Base	Top	Height	Thick
4-A	1 1/4"	1 5/16"	1 1/4"	1/16"	
4-B	1 5/8"	1 1/16"	1 5/8"	1/16"	

Heavy Duty • Round Shape

## STEEL BASES or PANS

Number	Outside Dia.	Height	Thick
2-A	1 1/2"	3/8"	1/16"
2-B	2"	3/8"	1/16"

Malleable Iron

## ROUND RING

2 3/8" OVERALL DIA. • 1 7/8" INSIDE DIA.

Heavy Duty

Round Shape

## BASES or PANS



2-B

J.G. Braun & Company

# ARCHITECTURAL STEEL

SCALE 3" — 1'-0"



8809  
8 1/2" x 8 1/2"



8810  
8 1/2" x 8 1/2"

## "ORIENTALE" DESIGN ORNAMENTS

### MALLEABLE IRON

Also available in Architectural Bronze or Aluminum  
Specify Material When Ordering.

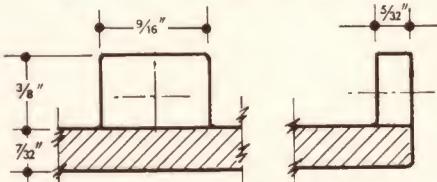
Architectural Bronze pieces are furnished  
in Satin Polished finish and Lacquered.

Aluminum pieces are furnished, as cast.

AUTHENTIC ORIENTAL DESIGNS  
... BLENDING WELL WITH EITHER  
PERIOD OR MODERN TYPE OF  
ARCHITECTURAL DESIGN.

EXCELLENT WHEN USED AS A  
SPOT ORNAMENT OR AGAIN EF-  
FECTIVE WHEN USED IN GROUPS  
OR COLUMNAR ARRANGEMENTS.

### FULL SIZE DETAIL OF LUGS



Panels are provided with Lugs at Vertical and Horizontal  
Centers for fastening to frame bars or to each other



8811  
8 1/2" x 8 1/2"



8812  
8 1/2" x 8 1/2"

## BRAUN STAMPED STEEL TREILLAGE

Send for your copy of Catalog No. 900 which gives application details  
and scale drawings of 21 different designs of Stamped Steel Panels

Ideal for Railings, Fences, Marquees, Grills,  
Lantern Posts, Room Dividers, Railing Panels,  
Screens, Pool Enclosures, Car Ports . . . . .



No. 902

Thickness ..... 156"  
Length ..... 115 7/8"  
Width ..... 10 7/8"  
Weight (app.) 13 lbs.



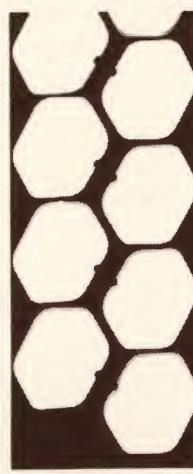
No. 906

Thickness ..... 140"  
Length ..... 107"  
Width ..... 8"  
Weight (app.) 10 lbs.



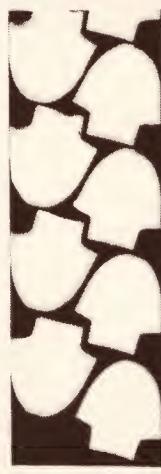
No. 908

Thickness ..... 156"  
Length ..... 115 1/8"  
Width ..... 9 1/2"  
Weight (app.) 15 lbs.



No. 909

Thickness ..... 218"  
Length ..... 116 5/8"  
Width ..... 11 1/4"  
Weight (app.) 24 lbs.



No. 917

Thickness ..... 156"  
Length ..... 93 11/16"  
Width ..... 9 1/2"  
Weight (app.) 9 lbs.



No. 919

Thickness ..... 250"  
Length ..... 103 1/4"  
Width ..... 10 3/8"  
Weight (app.) 20 lbs.

Sold by the pound —  
200 lb minimum order, F.O.B. Skokie, Ill.

**J.G. Braun Company**

ARCHITECTURAL  
**STEEL**

J.G. Braun  Company

7540 Mc CORMICK BLVD.  
SKOKIE, ILLINOIS  
Chicago Phone: 761-4600 (AREA CODE 312)

537 WEST 35th STREET  
NEW YORK 1, N.Y.

Phone: 279-8528 (AREA CODE 212)

Direct line from Philadelphia to New York:  
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